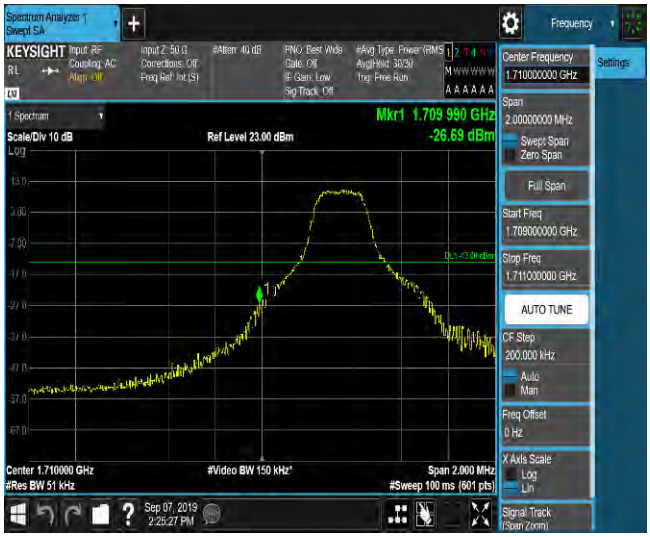
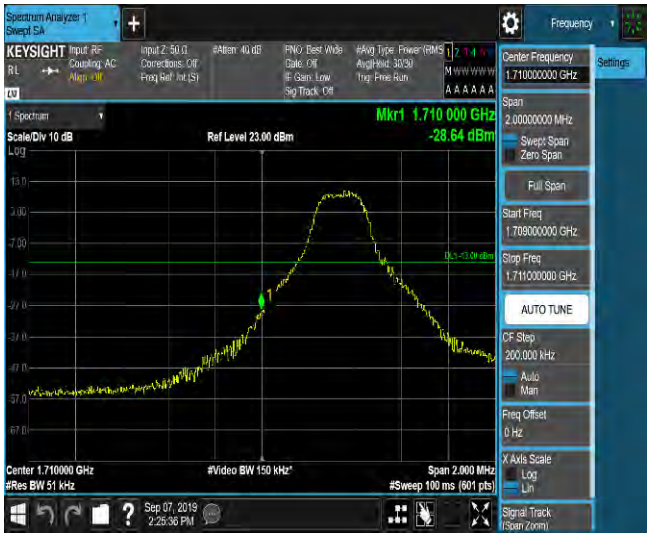
LTE Band 4_3MHz_QPSK_20385_15RB#0_-32.63_PASS

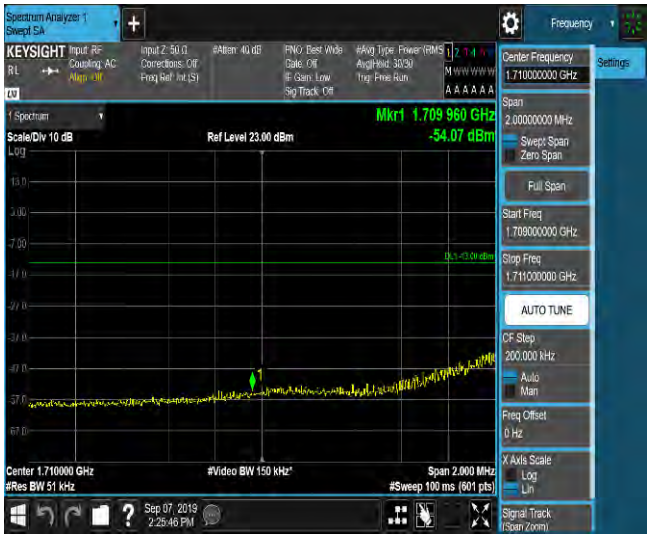
LTE Band 4_3MHz_16QAM_20385_15RB#0_-32.68_PASS

LTE Band 4_5MHz_QPSK_19975_1RB#0_-26.69_PASS


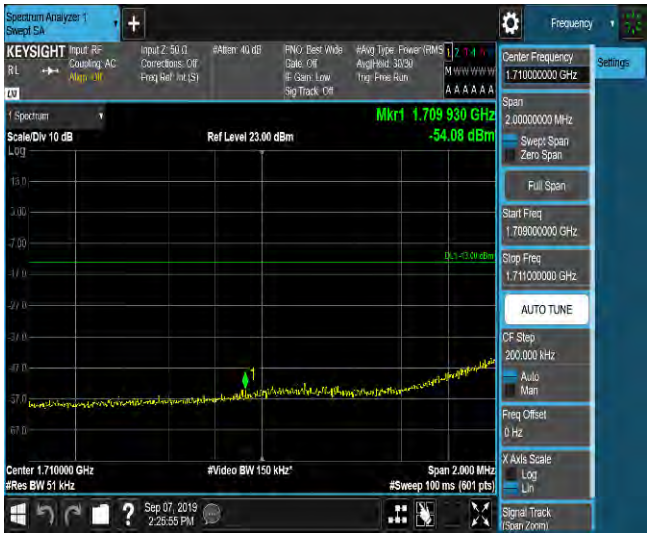
LTE Band 4_5MHz_16QAM_19975_1RB#0_-28.64_PASS

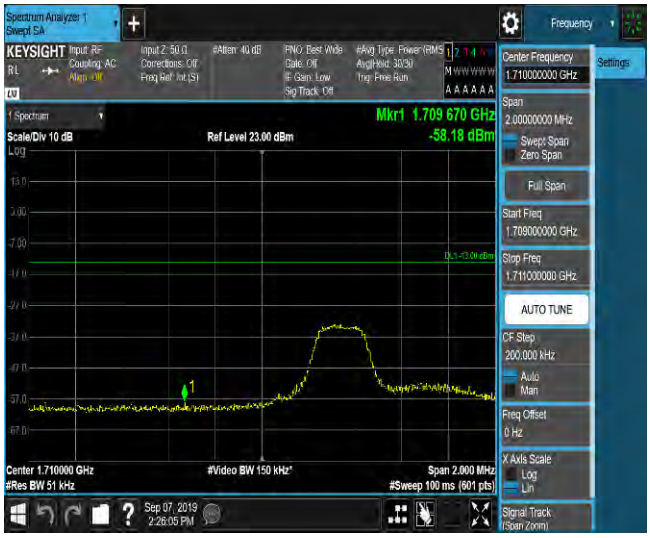
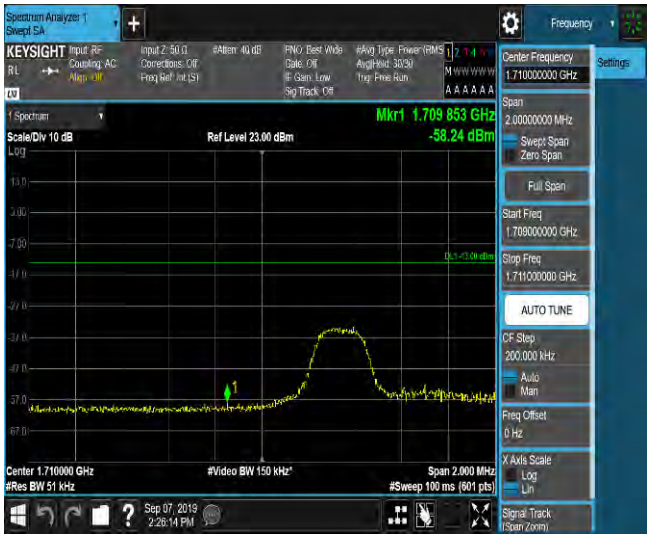


LTE Band 4_5MHz_QPSK_19975_1RB#12_-54.07_PASS



LTE Band 4_5MHz_16QAM_19975_1RB#12_-54.08_PASS



LTE Band 4_5MHz_QPSK_19975_1RB#24_-58.18_PASS

LTE Band 4_5MHz_16QAM_19975_1RB#24_-58.24_PASS

LTE Band 4_5MHz_QPSK_19975_12RB#0_-30.42_PASS


LTE Band 4_5MHz_16QAM_19975_12RB#0_-31.14_PASS

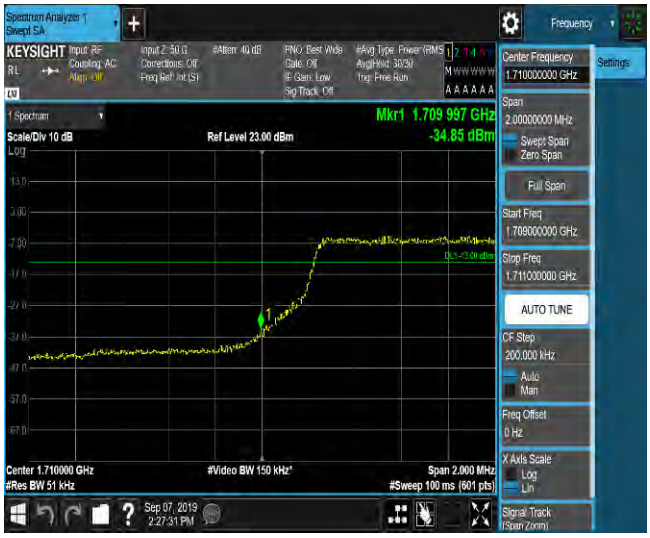
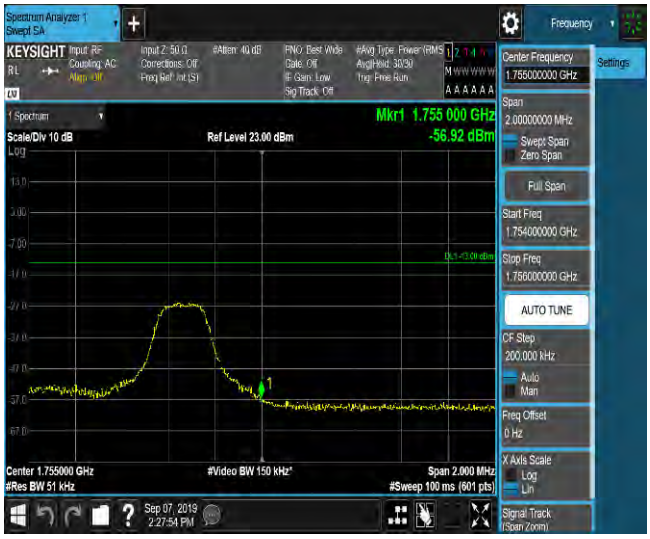
LTE Band 4_5MHz_QPSK_19975_12RB#6_-30.03_PASS

LTE Band 4_5MHz_16QAM_19975_12RB#6_-31.68_PASS


LTE Band 4_5MHz_QPSK_19975_12RB#13_-44.74_PASS

LTE Band 4_5MHz_16QAM_19975_12RB#13_-48.67_PASS

LTE Band 4_5MHz_QPSK_19975_25RB#0_-34.59_PASS


LTE Band 4_5MHz_16QAM_19975_25RB#0_-34.85_PASS

LTE Band 4_5MHz_QPSK_20375_1RB#0_-56.92_PASS

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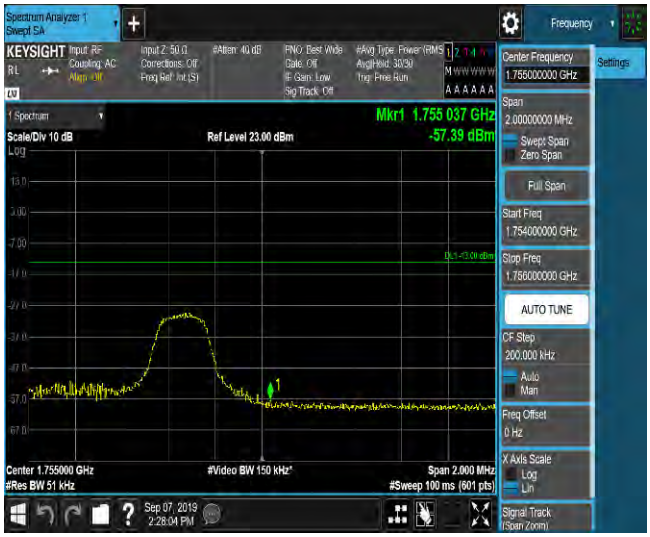
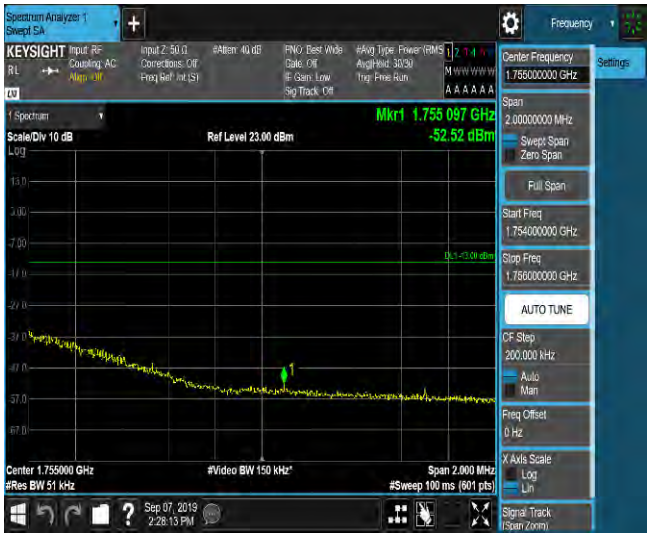
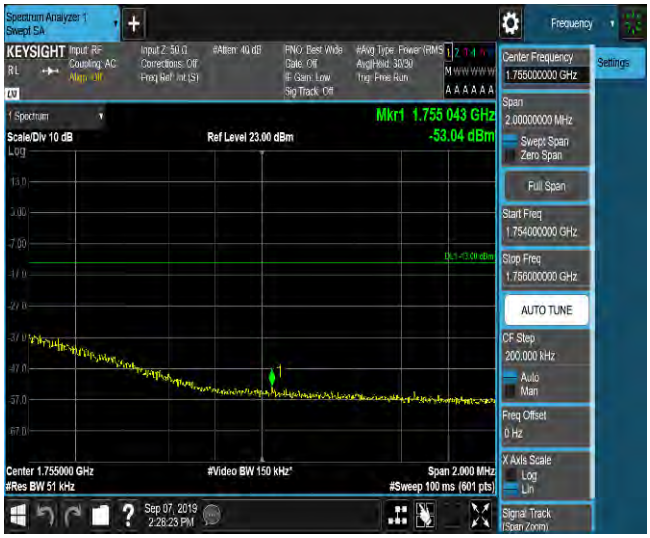


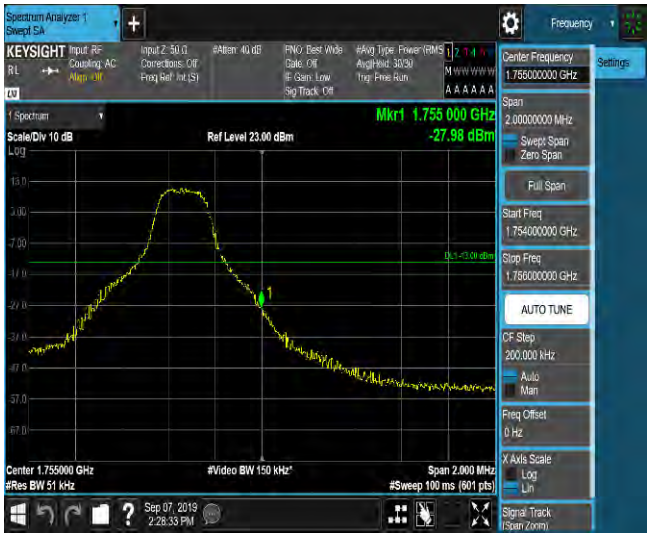
LTE Band 4_5MHz_QPSK_20375_1RB#12_-52.52_PASS



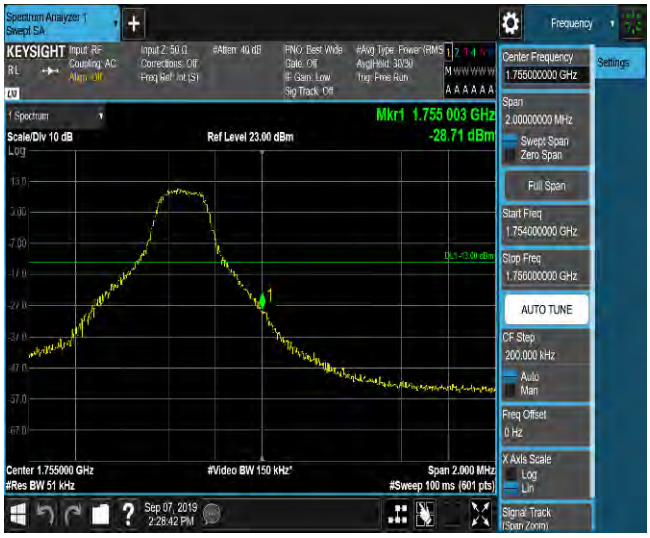
LTE Band 4_5MHz_16QAM_20375_1RB#12_-53.04_PASS



LTE Band 4_5MHz_QPSK_20375_1RB#24_-27.98_PASS



LTE Band 4_5MHz_16QAM_20375_1RB#24_-28.71_PASS



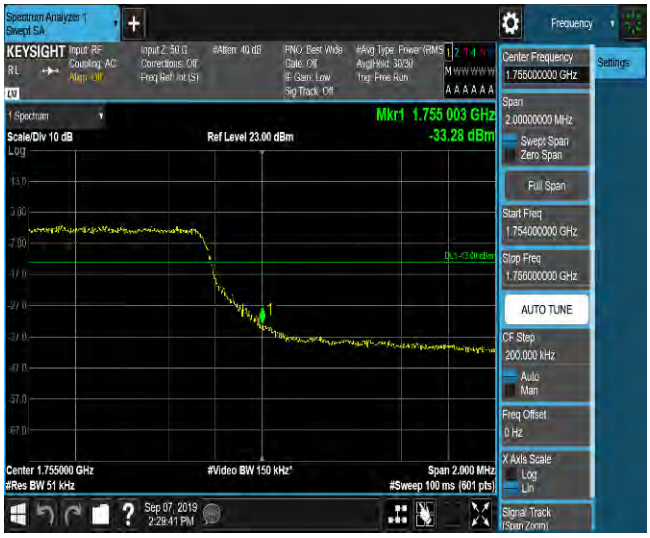
LTE Band 4_5MHz_QPSK_20375_12RB#0_-44.58_PASS

LTE Band 4_5MHz_16QAM_20375_12RB#0_-46.52_PASS

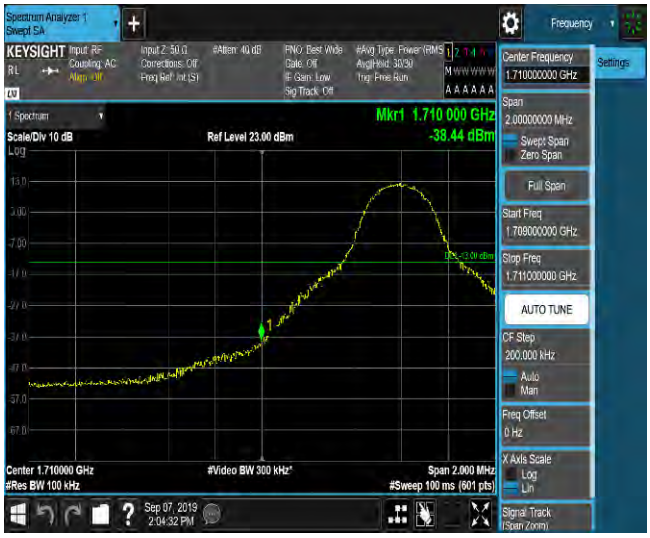
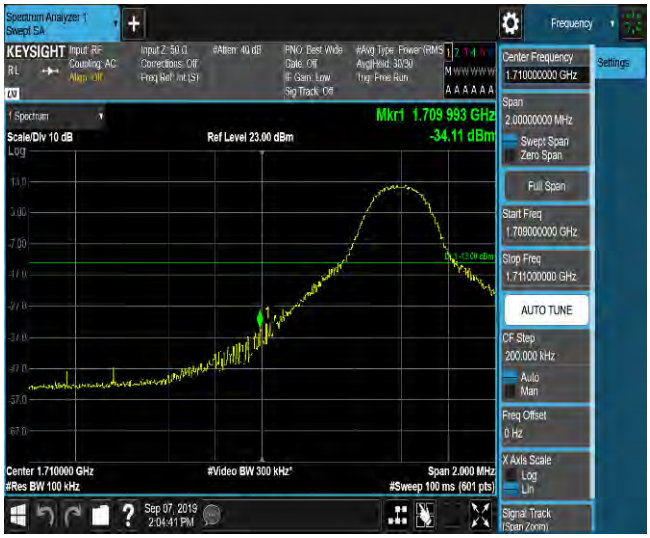
LTE Band 4_5MHz_QPSK_20375_12RB#6_-45.10_PASS

LTE Band 4_5MHz_16QAM_20375_12RB#6_-47.21_PASS

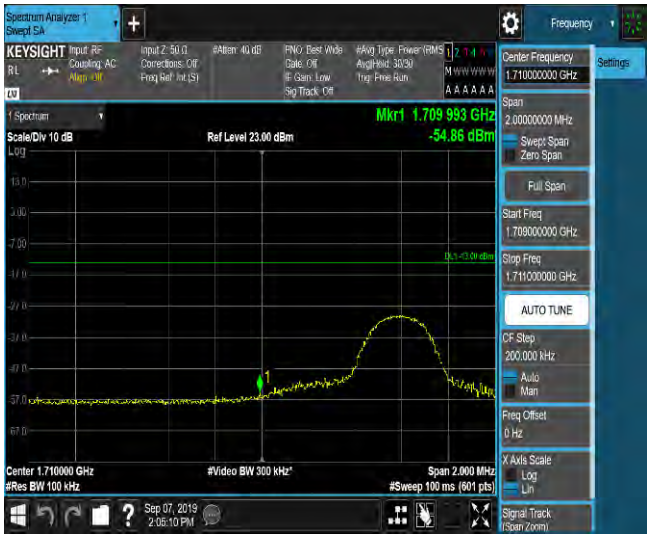
LTE Band 4_5MHz_QPSK_20375_12RB#13_-31.57_PASS


LTE Band 4_5MHz_16QAM_20375_12RB#13_-33.28_PASS

LTE Band 4_5MHz_QPSK_20375_25RB#0_-34.93_PASS

LTE Band 4_5MHz_16QAM_20375_25RB#0_-34.95_PASS


LTE Band 4_10MHz_QPSK_20000_1RB#0_-38.44_PASS

LTE Band 4_10MHz_16QAM_20000_1RB#0_-34.11_PASS

LTE Band 4_10MHz_QPSK_20000_1RB#24_-56.00_PASS


LTE Band 4_10MHz_16QAM_20000_1RB#24_-56.24_PASS

LTE Band 4_10MHz_QPSK_20000_1RB#49_-54.86_PASS

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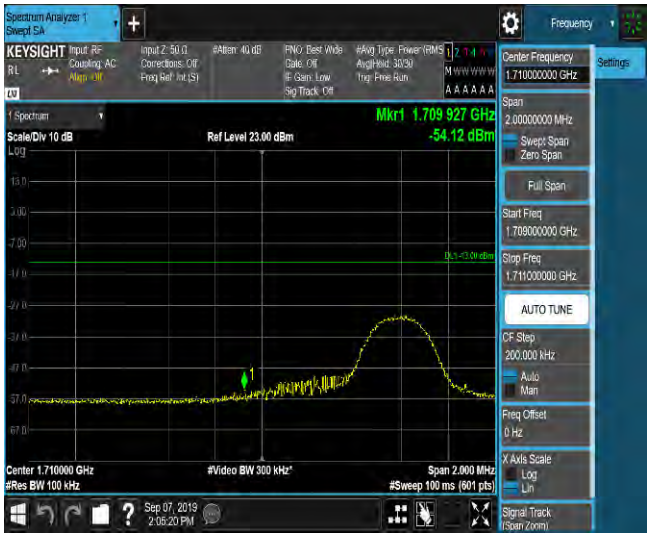


LTE Band 4_10MHz_QPSK_20000_25RB#0_-36.26_PASS

LTE Band 4_10MHz_16QAM_20000_25RB#0_-37.13_PASS

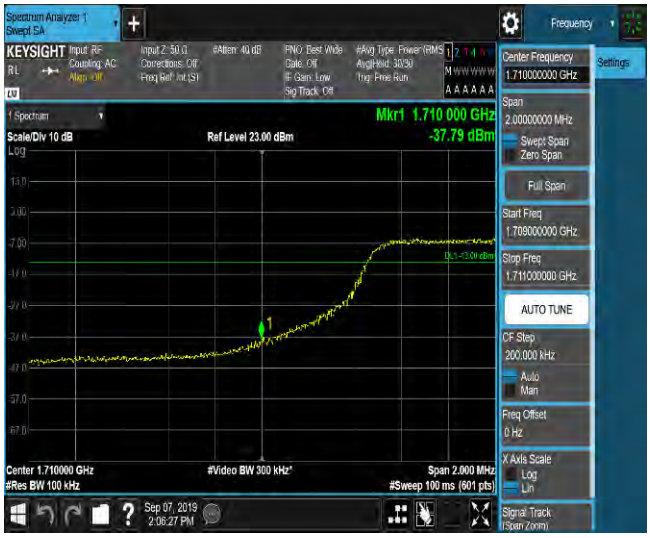
LTE Band 4_10MHz_QPSK_20000_25RB#12_-35.42_PASS

LTE Band 4_10MHz_16QAM_20000_25RB#12_-37.32_PASS

LTE Band 4_10MHz_QPSK_20000_25RB#25_-44.66_PASS

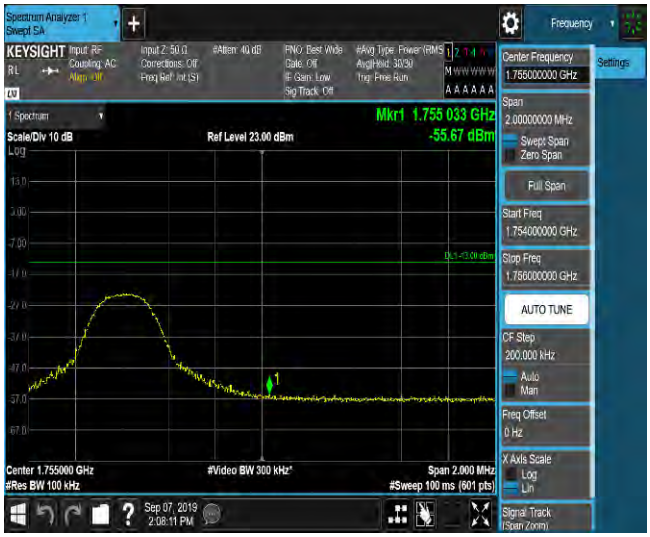
LTE Band 4_10MHz_16QAM_20000_25RB#25_-47.54_PASS


LTE Band 4_10MHz_QPSK_20000_50RB#0_-37.79_PASS



LTE Band 4_10MHz_16QAM_20000_50RB#0_-38.53_PASS

LTE Band 4_10MHz_QPSK_20350_1RB#0_-55.67_PASS



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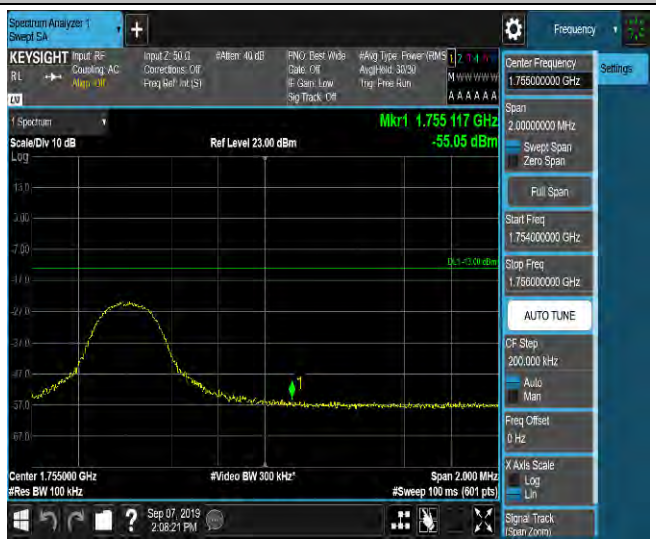
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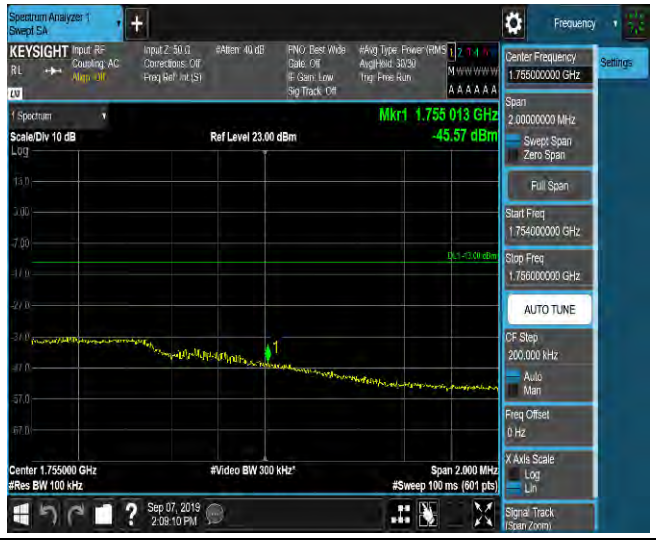
LTE Band 4_10MHz_16QAM_20350_1RB#24_-56.06_PASS

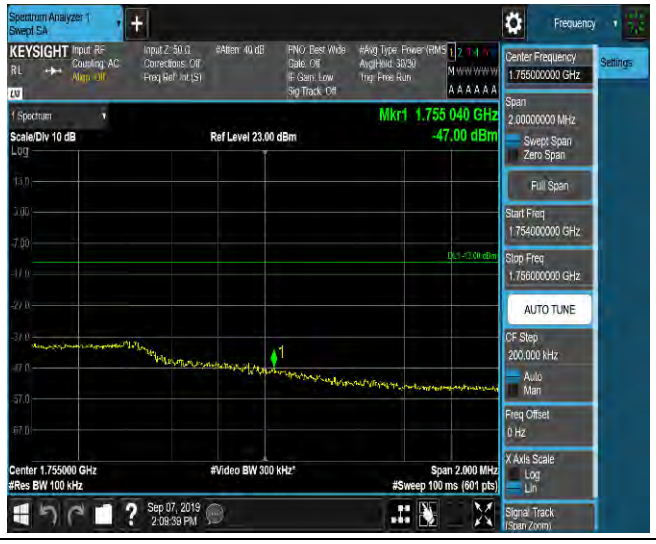

LTE Band 4_10MHz_QPSK_20350_1RB#49_-35.69_PASS

LTE Band 4_10MHz_16QAM_20350_1RB#49_-35.79_PASS

LTE Band 4_10MHz_QPSK_20350_25RB#0_-45.57_PASS


LTE Band 4_10MHz_16QAM_20350_25RB#0_-46.78_PASS

LTE Band 4_10MHz_QPSK_20350_25RB#12_-45.39_PASS

LTE Band 4_10MHz_16QAM_20350_25RB#12_-47.00_PASS


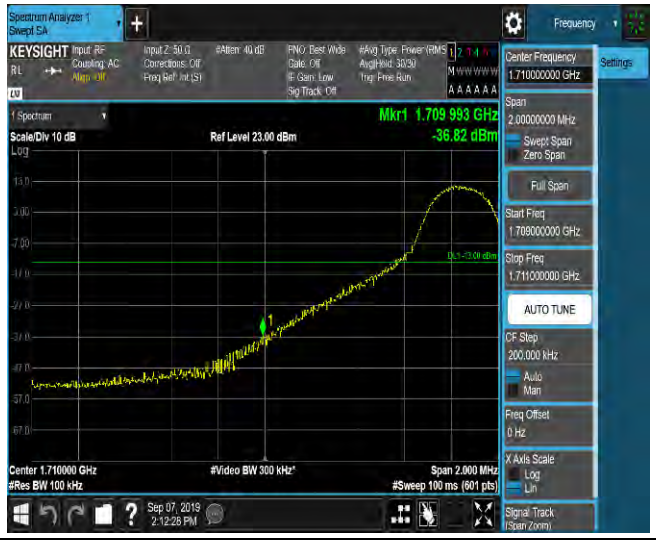
LTE Band 4_10MHz_QPSK_20350_25RB#25_-37.30_PASS

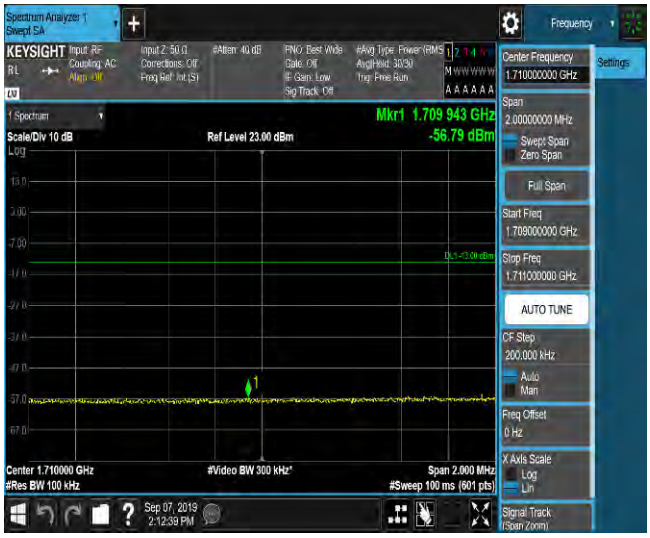
LTE Band 4_10MHz_16QAM_20350_25RB#25_-37.16_PASS

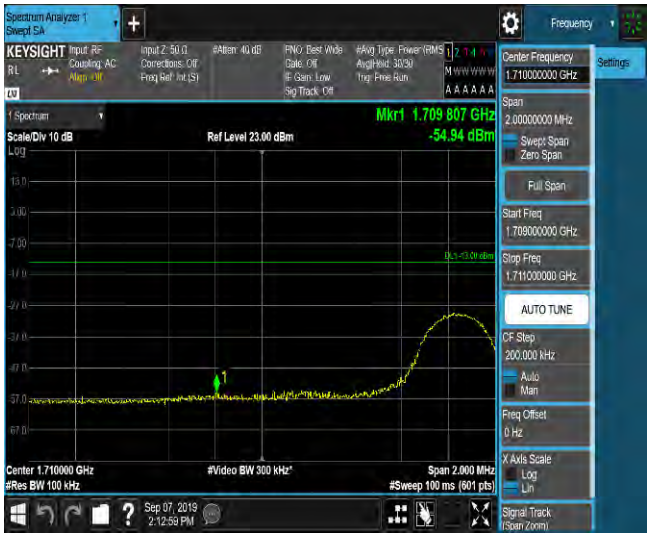
LTE Band 4_10MHz_QPSK_20350_50RB#0_-39.09_PASS


LTE Band 4_10MHz_16QAM_20350_50RB#0_-39.48_PASS

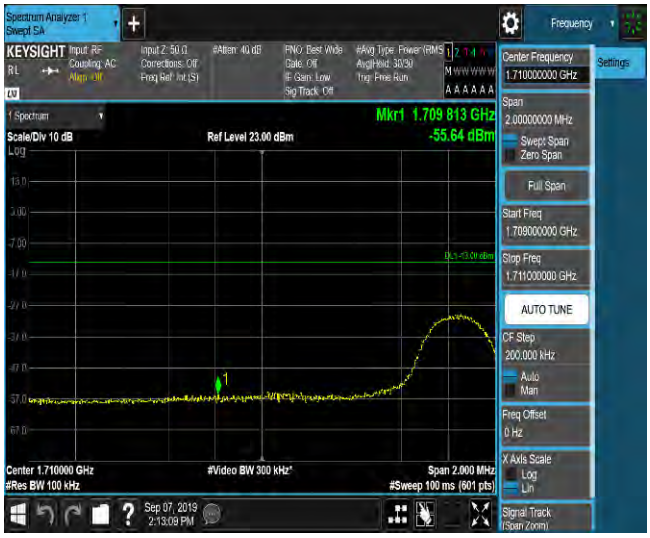
LTE Band 4_15MHz_QPSK_20025_1RB#0_-37.66_PASS

LTE Band 4_15MHz_16QAM_20025_1RB#0_-36.82_PASS


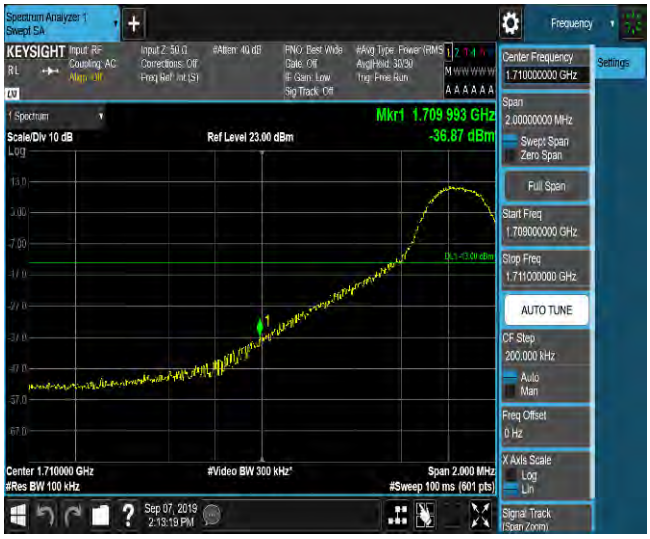
LTE Band 4_15MHz_QPSK_20025_1RB#38_-56.79_PASS

LTE Band 4_15MHz_16QAM_20025_1RB#38_-56.54_PASS

LTE Band 4_15MHz_QPSK_20025_1RB#74_-54.94_PASS


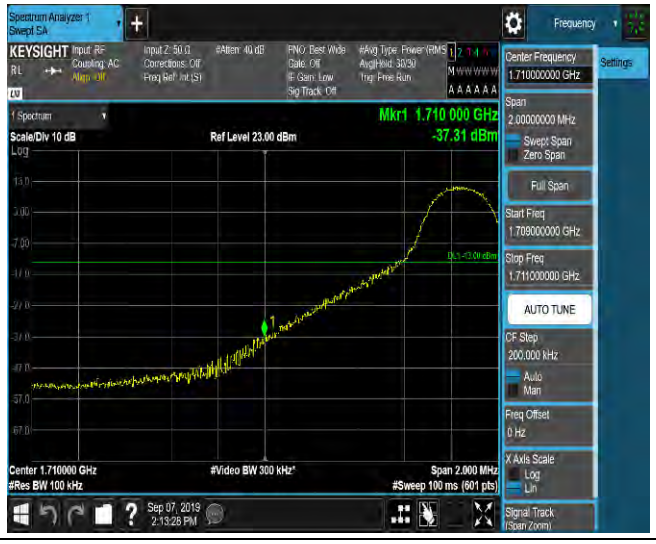
LTE Band 4_15MHz_16QAM_20025_1RB#74_-55.64_PASS

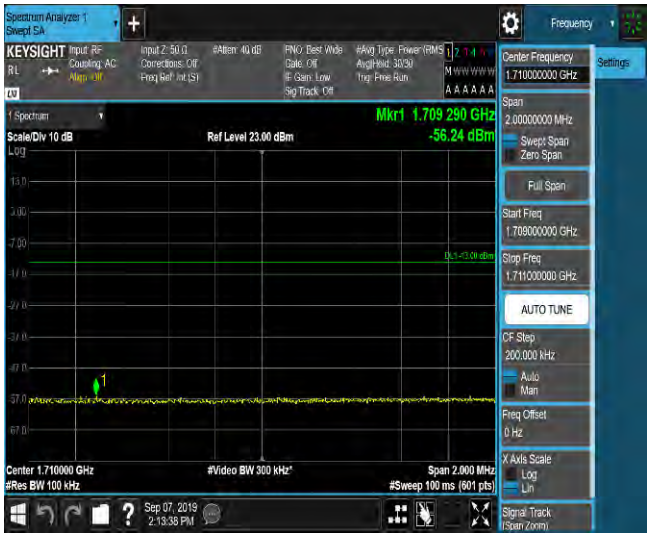


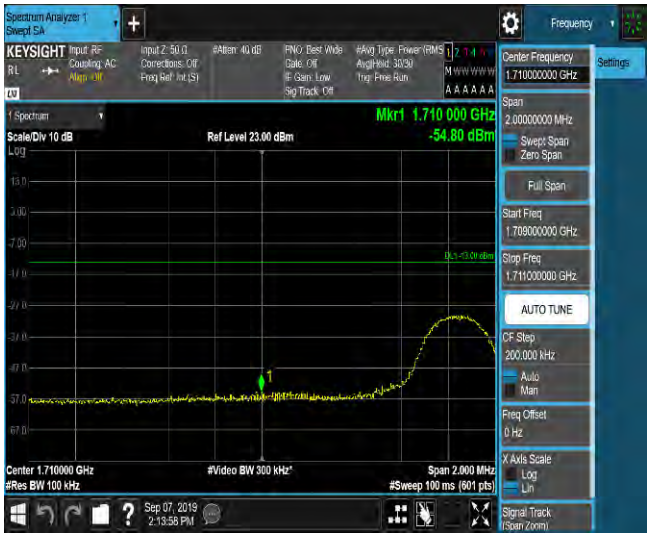
LTE Band 4_15MHz_QPSK_20025_38RB#0_-36.87_PASS

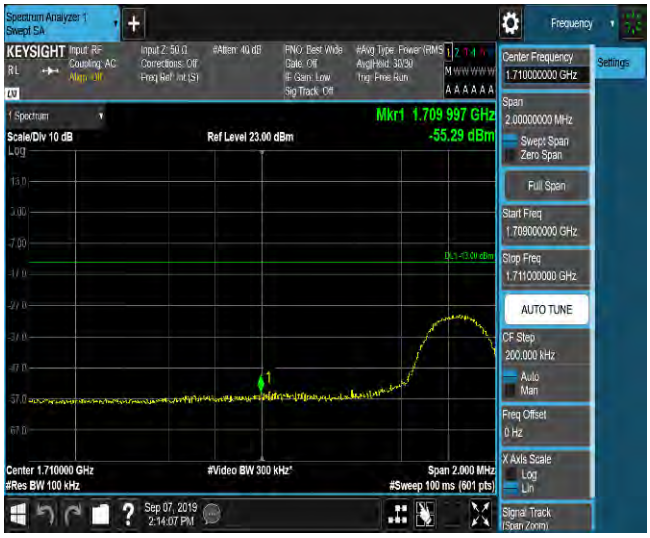


LTE Band 4_15MHz_16QAM_20025_38RB#0_-37.31_PASS



LTE Band 4_15MHz_QPSK_20025_38RB#18_-56.24_PASS

LTE Band 4_15MHz_16QAM_20025_38RB#18_-56.73_PASS

LTE Band 4_15MHz_QPSK_20025_38RB#37_-54.80_PASS


LTE Band 4_15MHz_16QAM_20025_38RB#37_-55.29_PASS

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LTE Band 4_15MHz_16QAM_20025_75RB#0_-43.03_PASS

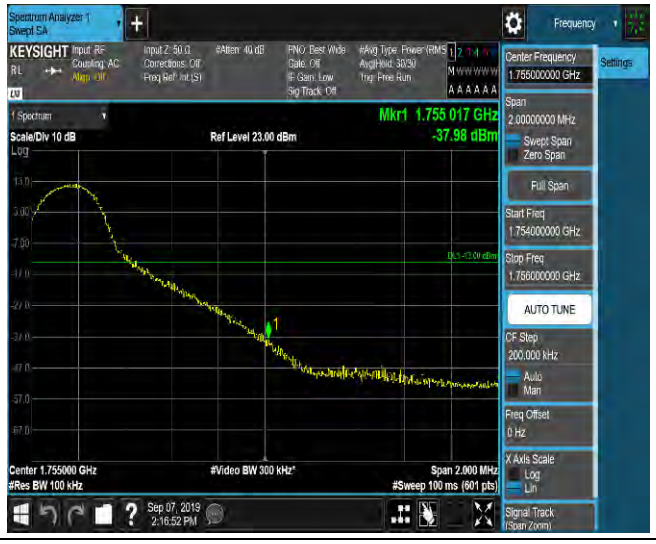

LTE Band 4_15MHz_QPSK_20325_1RB#0_-53.92_PASS

LTE Band 4_15MHz_16QAM_20325_1RB#0_-53.86_PASS

LTE Band 4_15MHz_QPSK_20325_1RB#38_-55.98_PASS

LTE Band 4_15MHz_16QAM_20325_1RB#38_-56.04_PASS

LTE Band 4_15MHz_QPSK_20325_1RB#74_-37.59_PASS

LTE Band 4_15MHz_16QAM_20325_1RB#74_-37.98_PASS


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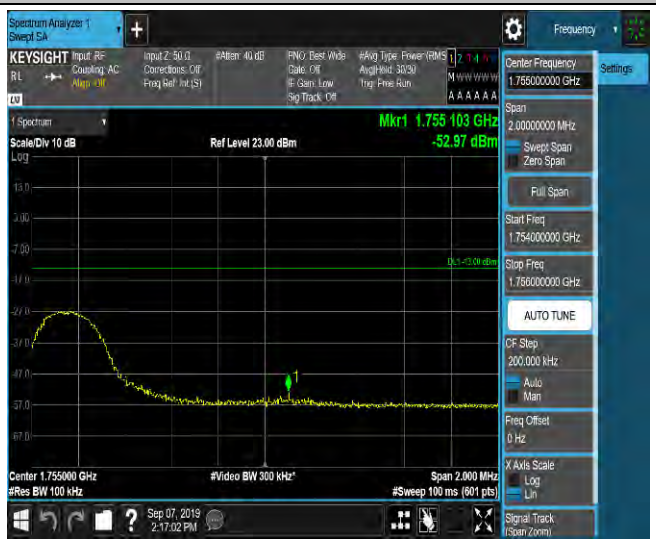
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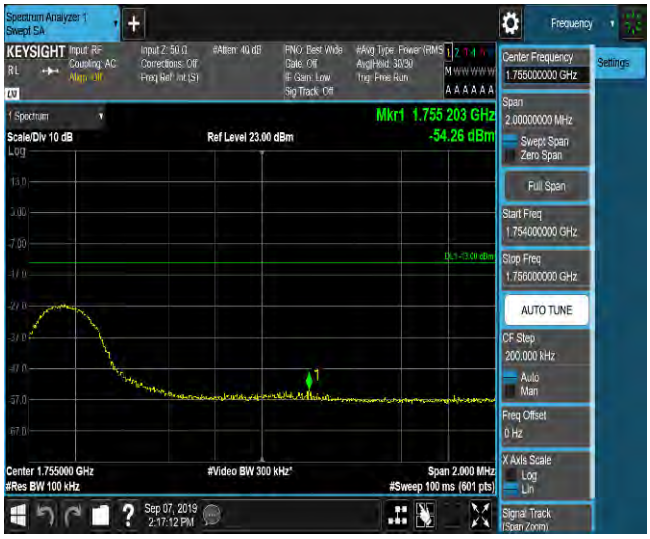
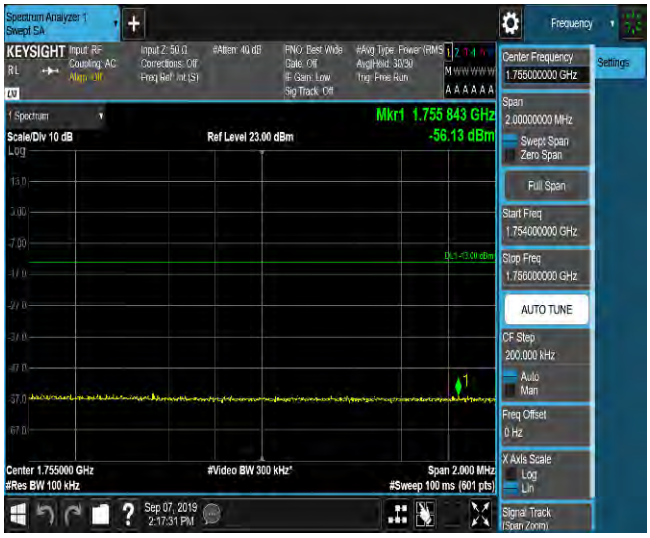

LTE Band 4_15MHz_QPSK_20325_38RB#18_-56.09_PASS


LTE Band 4_15MHz_16QAM_20325_38RB#18_-56.13_PASS

LTE Band 4_15MHz_QPSK_20325_38RB#37_-39.14_PASS

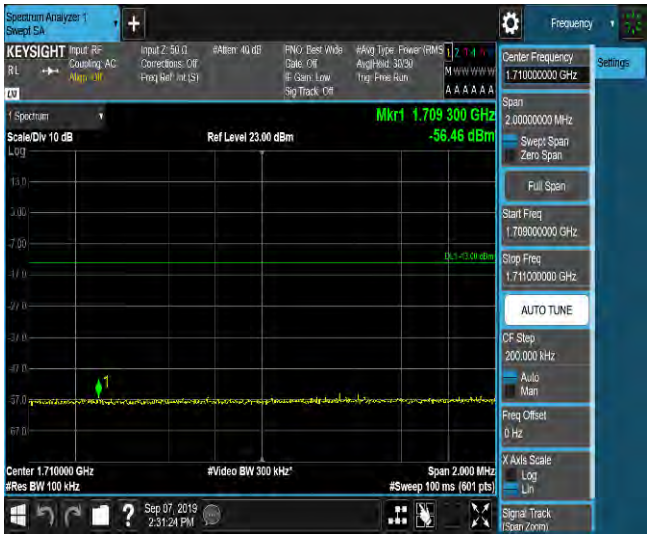
LTE Band 4_15MHz_16QAM_20325_38RB#37_-39.07_PASS

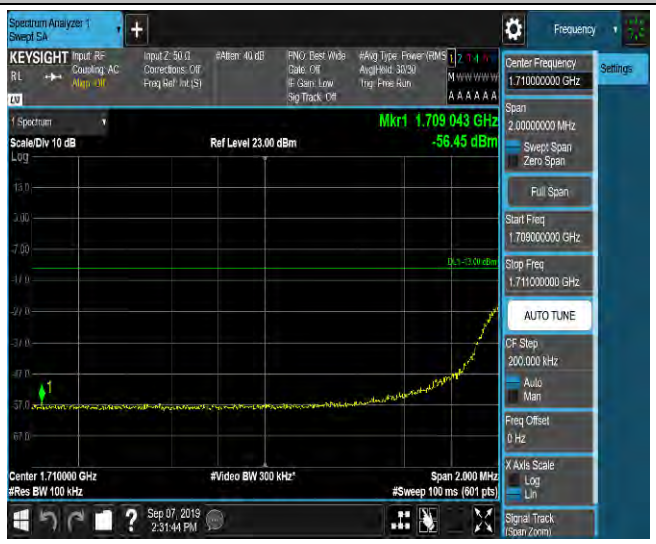
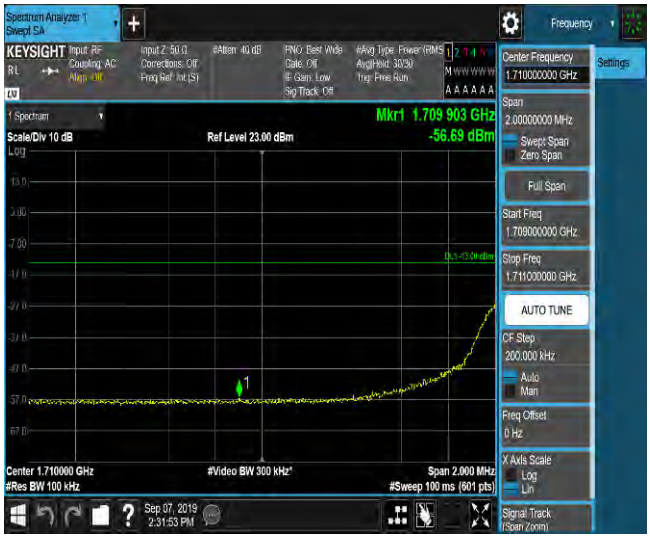
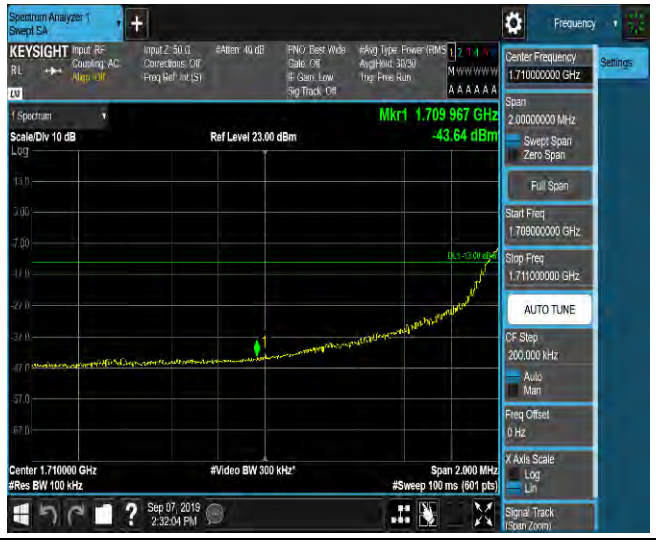

LTE Band 4_15MHz_QPSK_20325_75RB#0_-44.38_PASS

LTE Band 4_15MHz_16QAM_20325_75RB#0_-43.46_PASS

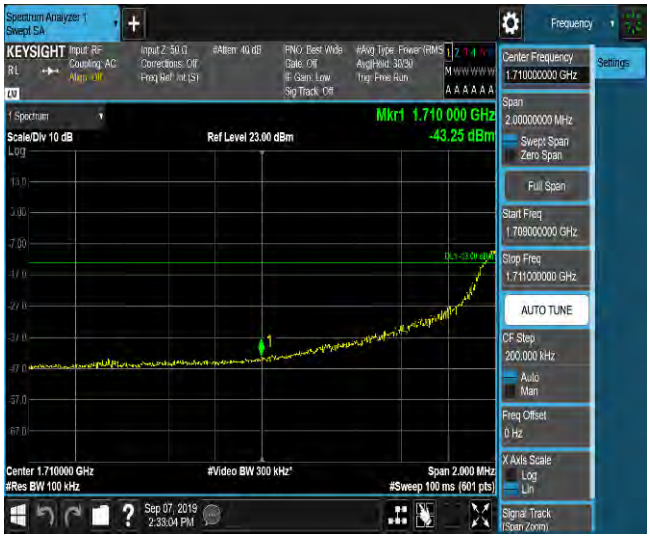
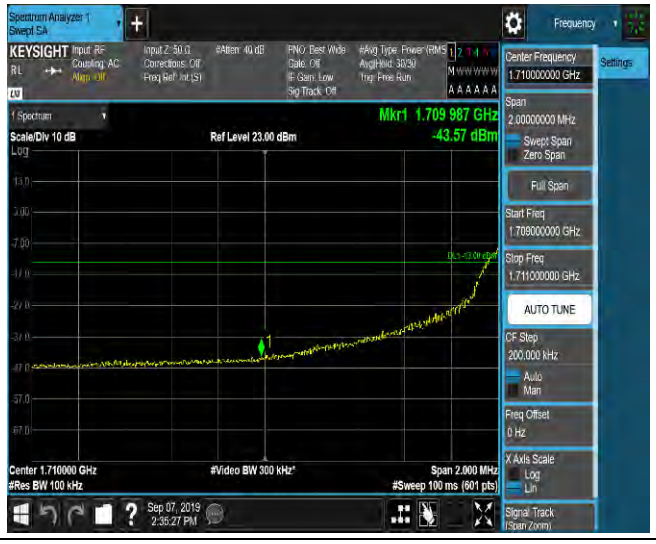
LTE Band 4_20MHz_QPSK_20050_1RB#0_-42.99_PASS


LTE Band 4_20MHz_16QAM_20050_1RB#0_-43.09_PASS

LTE Band 4_20MHz_QPSK_20050_1RB#49_-56.46_PASS

LTE Band 4_20MHz_16QAM_20050_1RB#49_-56.40_PASS


LTE Band 4_20MHz_QPSK_20050_1RB#99_-56.45_PASS

LTE Band 4_20MHz_16QAM_20050_1RB#99_-56.69_PASS

LTE Band 4_20MHz_QPSK_20050_50RB#0_-43.64_PASS


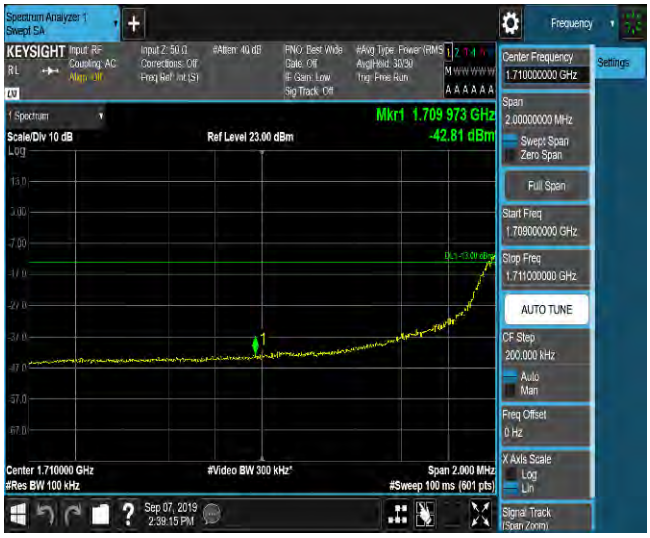
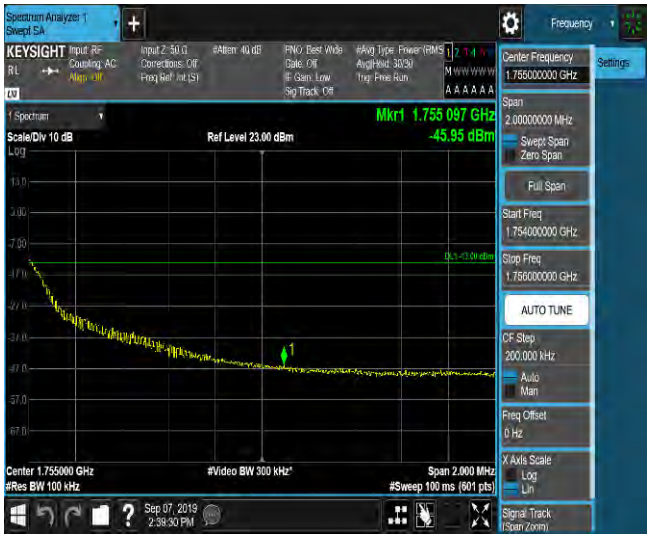
LTE Band 4_20MHz_16QAM_20050_50RB#0_-43.94_PASS

LTE Band 4_20MHz_QPSK_20050_50RB#25_-43.25_PASS

LTE Band 4_20MHz_16QAM_20050_50RB#25_-43.57_PASS


LTE Band 4_20MHz_QPSK_20050_50RB#50_-49.04_PASS

LTE Band 4_20MHz_16QAM_20050_50RB#50_-48.93_PASS

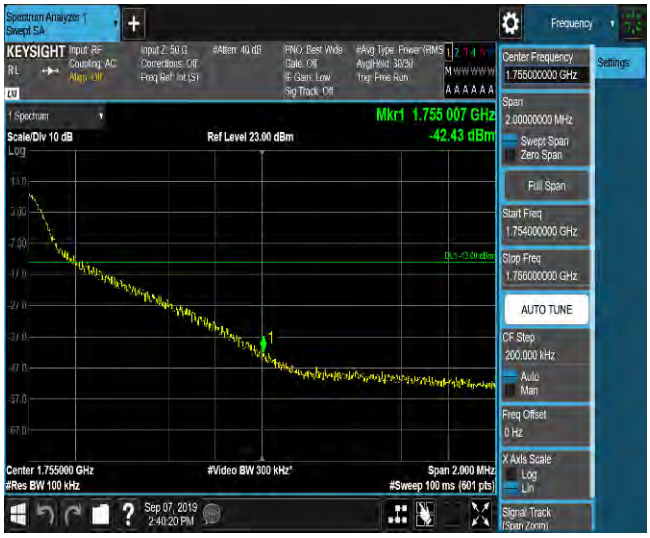
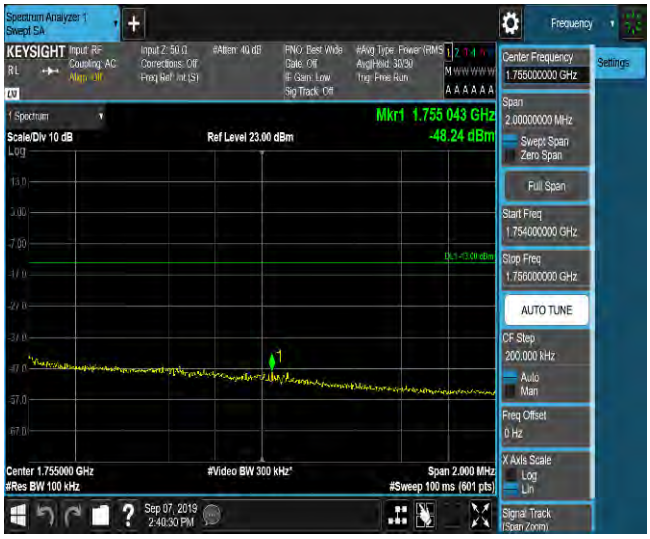
LTE Band 4_20MHz_QPSK_20050_100RB#0_-42.88_PASS

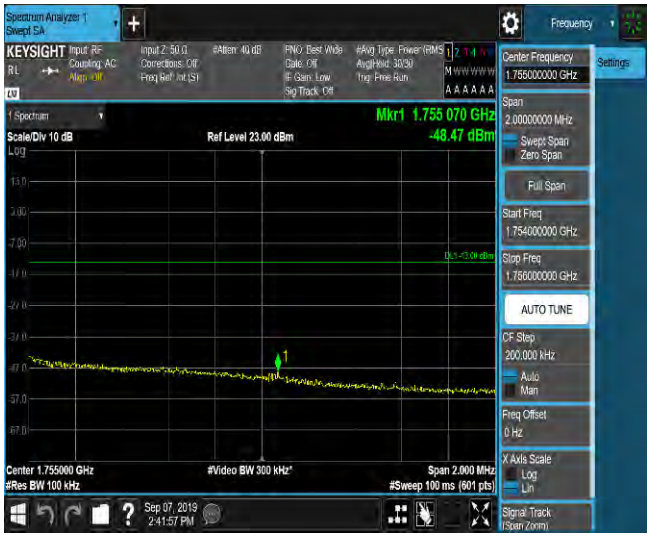
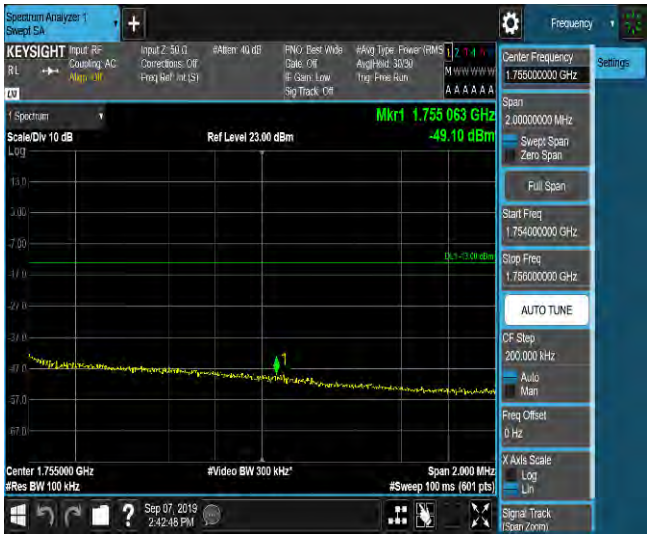

LTE Band 4_20MHz_16QAM_20050_100RB#0_-42.81_PASS

LTE Band 4_20MHz_QPSK_20300_1RB#0_-45.95_PASS

LTE Band 4_20MHz_16QAM_20300_1RB#0_-55.32_PASS


LTE Band 4_20MHz_QPSK_20300_1RB#49_-56.22_PASS

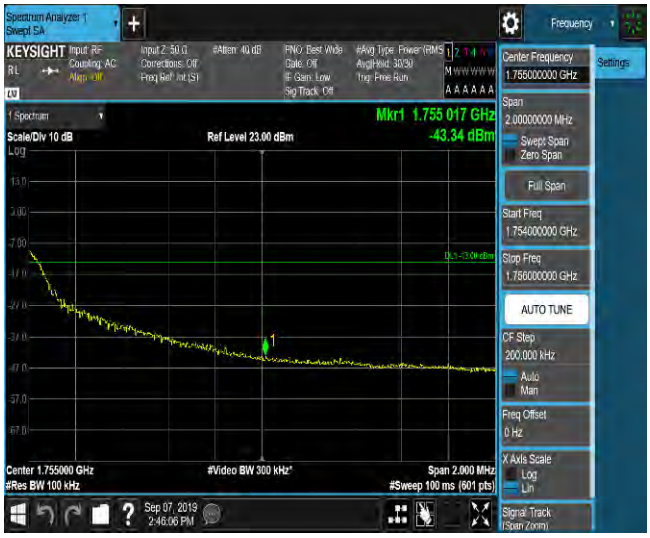
LTE Band 4_20MHz_16QAM_20300_1RB#49_-56.22_PASS

LTE Band 4_20MHz_QPSK_20300_1RB#99_-42.50_PASS

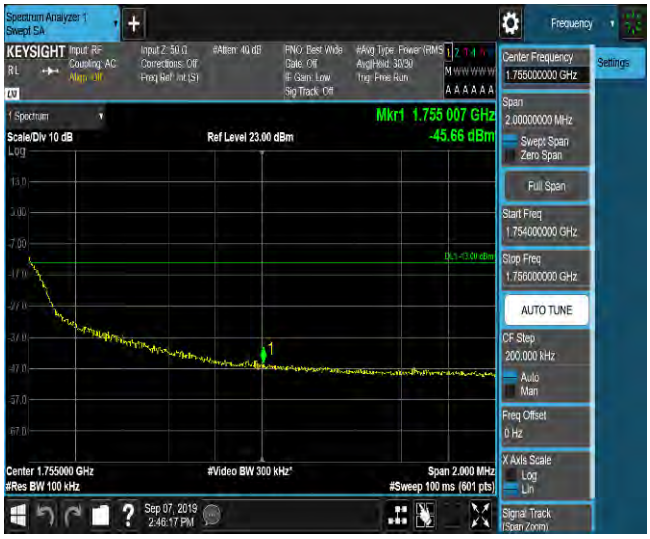

LTE Band 4_20MHz_16QAM_20300_1RB#99_-42.43_PASS

LTE Band 4_20MHz_QPSK_20300_50RB#0_-48.24_PASS

LTE Band 4_20MHz_16QAM_20300_50RB#0_-49.08_PASS


LTE Band 4_20MHz_QPSK_20300_50RB#25_-48.47_PASS

LTE Band 4_20MHz_16QAM_20300_50RB#25_-49.10_PASS

LTE Band 4_20MHz_QPSK_20300_50RB#50_-43.75_PASS

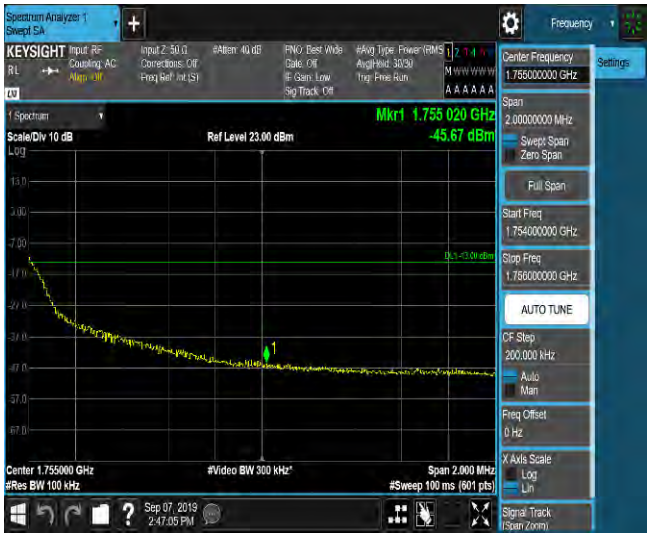

LTE Band 4_20MHz_16QAM_20300_50RB#50_-43.34_PASS

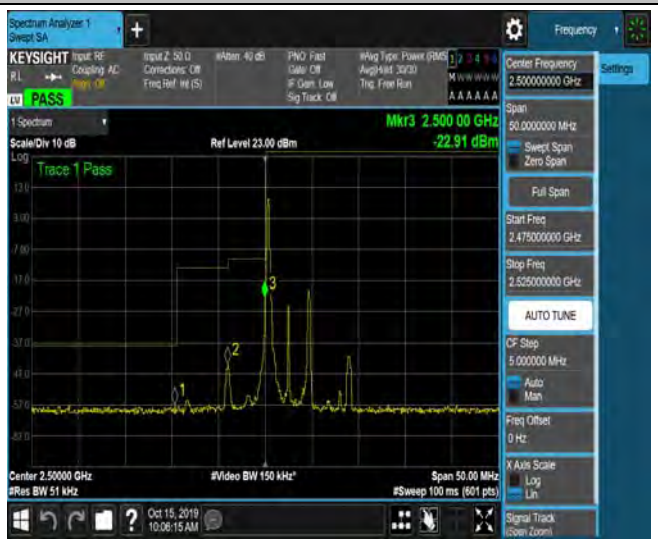
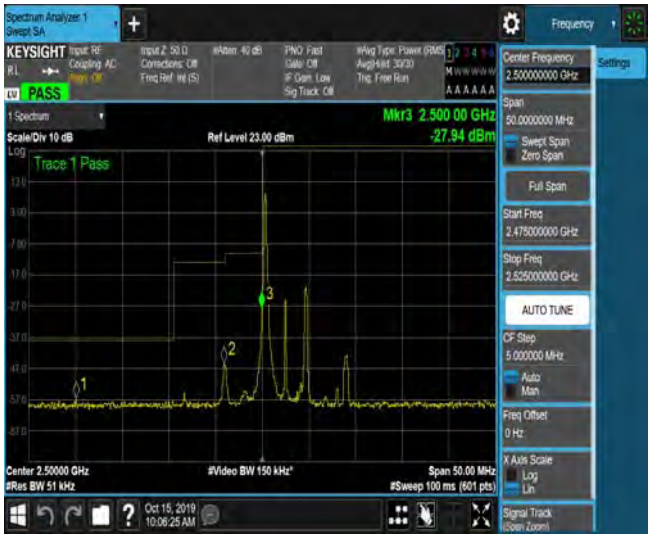


LTE Band 4_20MHz_QPSK_20300_100RB#0_-45.66_PASS



LTE Band 4_20MHz_16QAM_20300_100RB#0_-45.67_PASS



LTE Band 7_5MHz_QPSK_20775_1RB#0_-57.31,-44.28,-22.91_PASS

LTE Band 7_5MHz_16QAM_20775_1RB#0_-56.96,-45.68,-27.94_PASS

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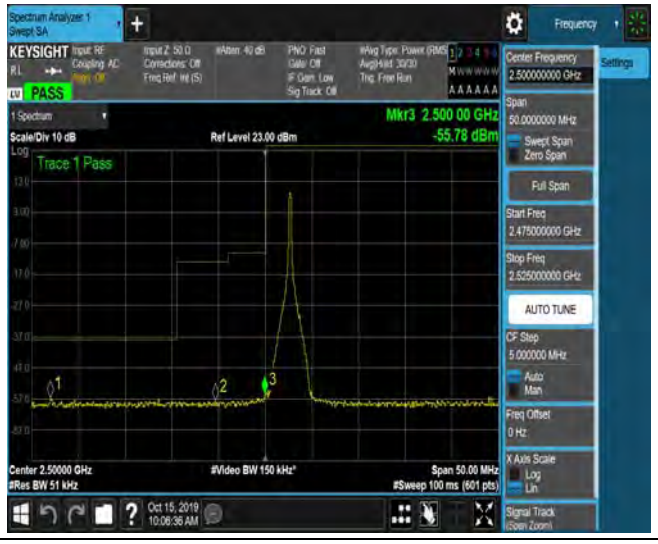

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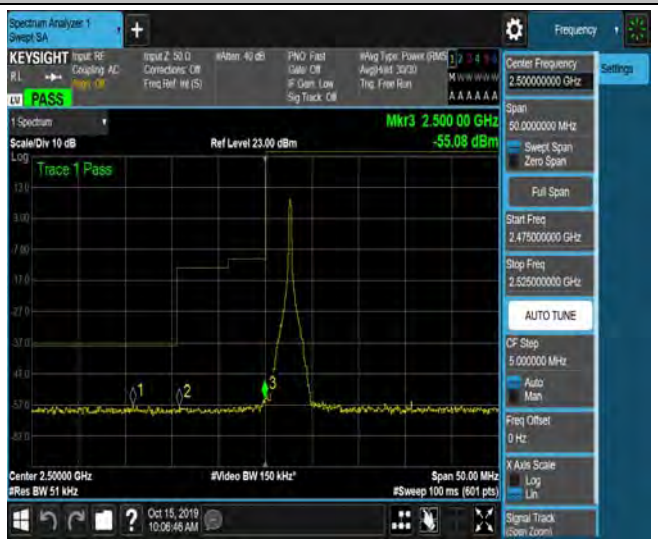
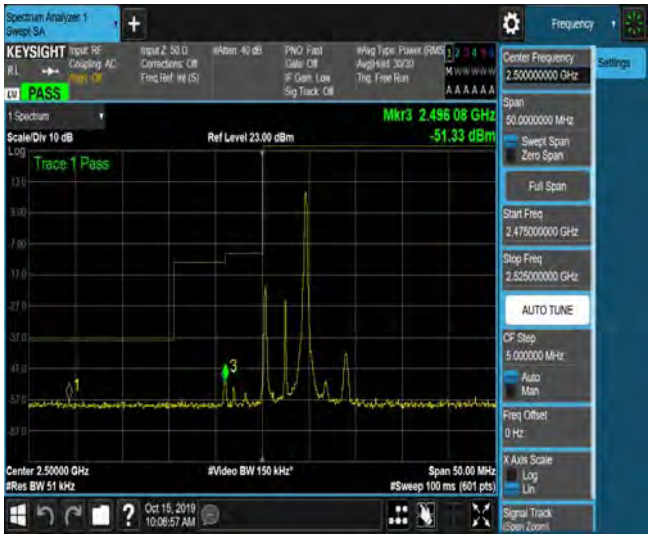
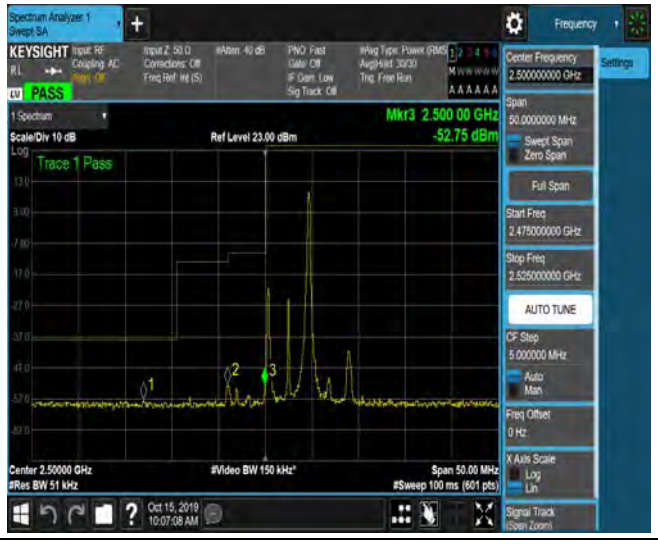
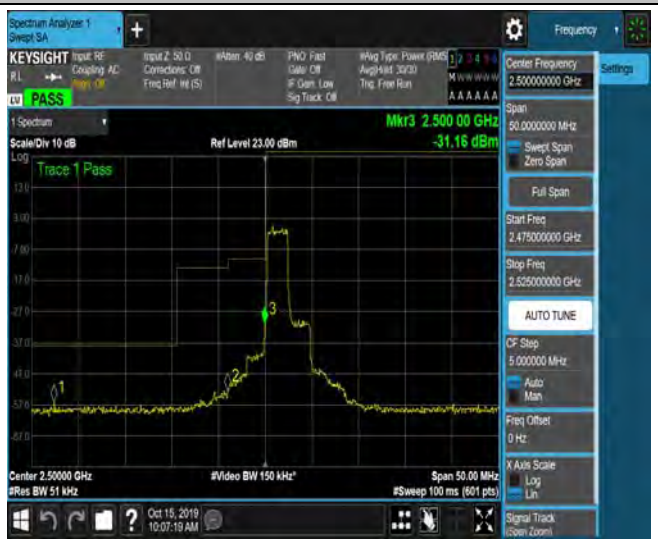

LTE Band 7_5MHz_QPSK_20775_1RB#24_-57.40,-51.71,-51.33_PASS

7_5MHz_16QAM_20775_1RB#24_-57.53,-52.53,-52.75_PASS


LTE Band 7_5MHz_QPSK_20775_12RB#0_-56.27,-52.57,-31.16_PASS

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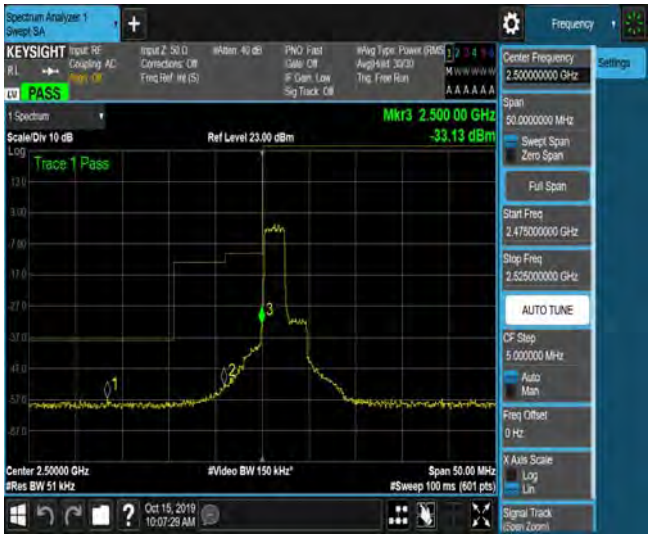
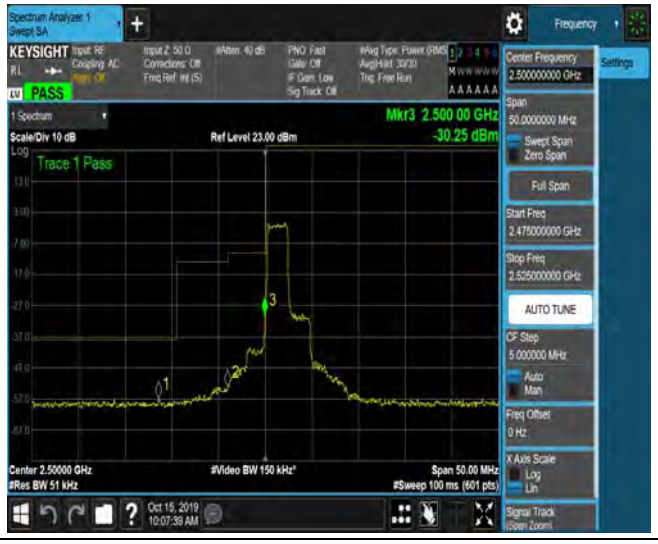
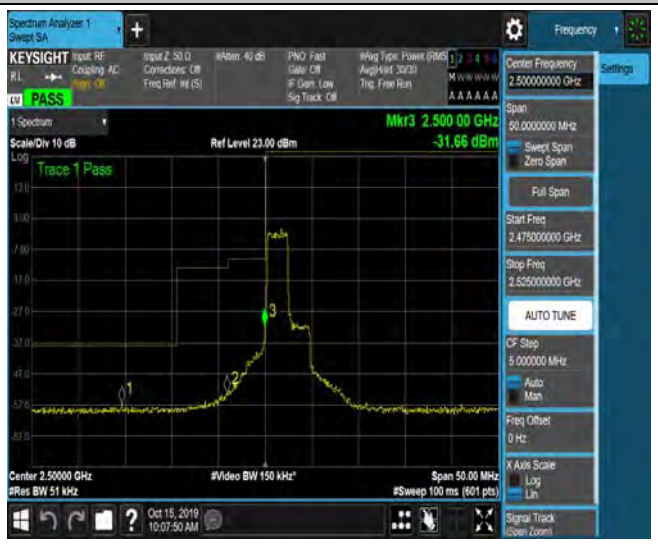

LTE Band 75MHz_QPSK_20775_12RB#6_-57.27,-53.39,-30.25_PASS


LTE Band 7_5MHz_16QAM_20775_12RB#6_-56.93,-53.45,-31.66_PASS

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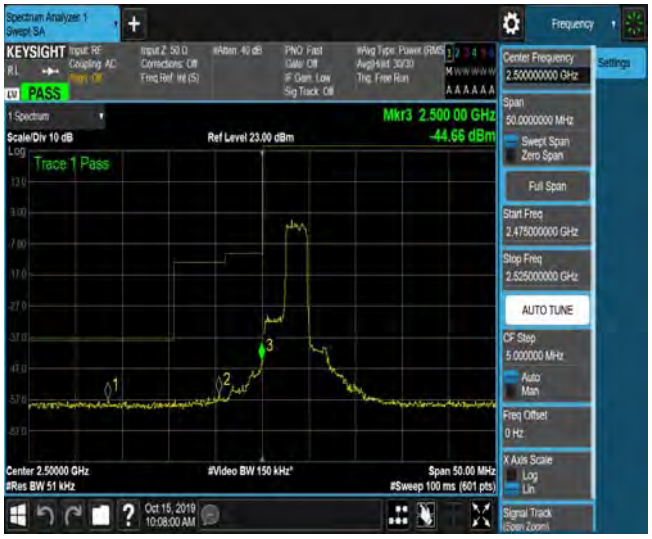
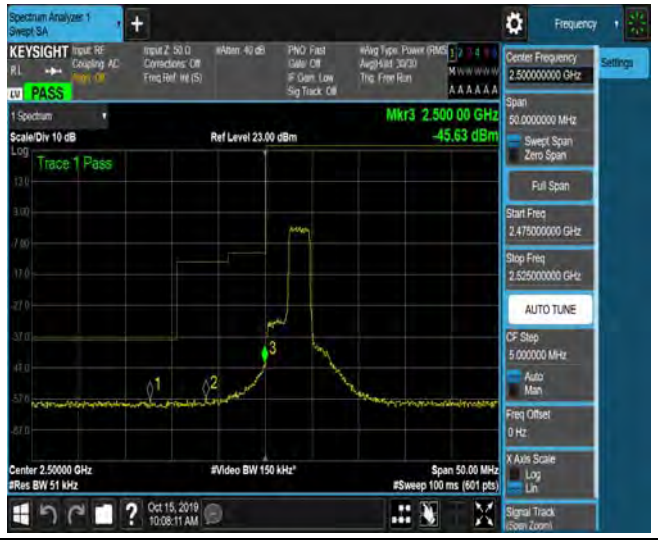
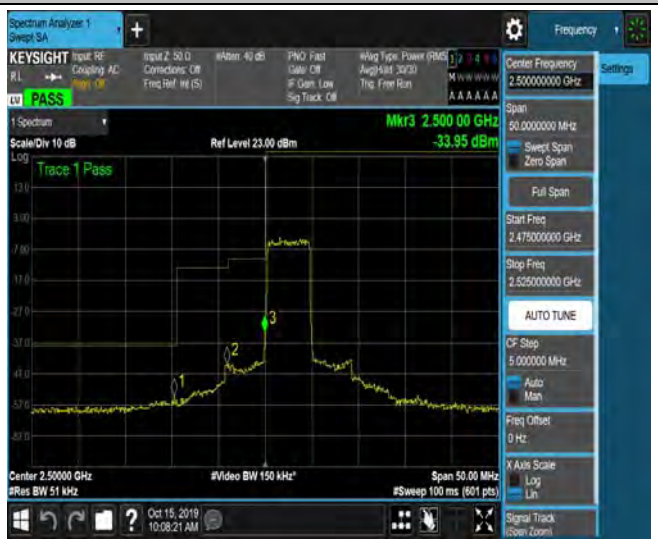
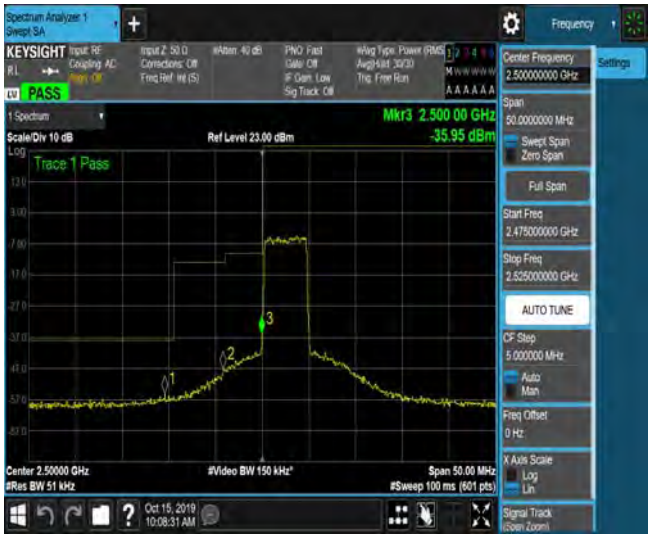
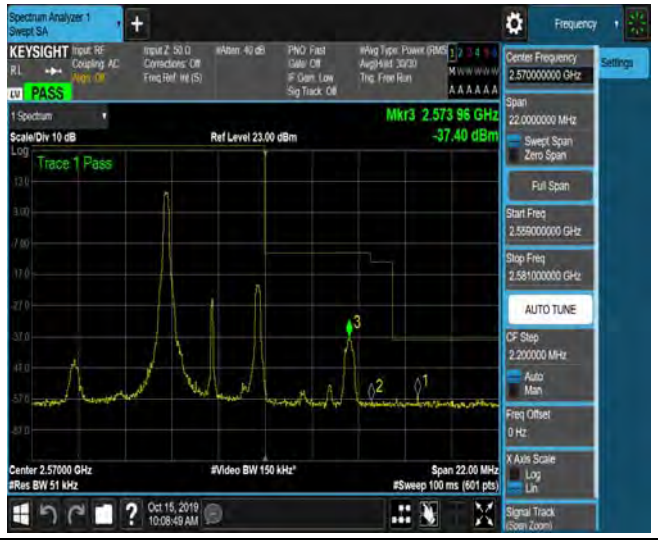
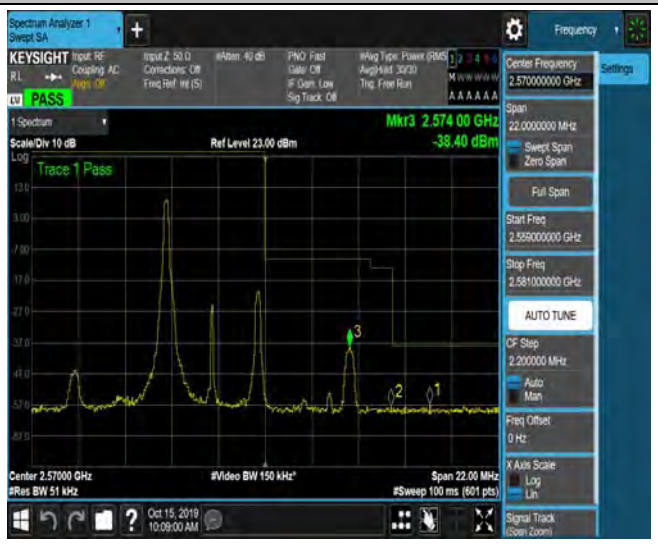

LTE Band 7_5MHz_16QAM_20775_12RB#13_-57.24,-56.92,-45.63_PASS


LTE Band 7_5MHz_QPSK_20775_25RB#0_-54.46,-44.25,-33.95_PASS

LTE Band 7_5MHz_16QAM_20775_25RB#0_-55.24,-47.25,-35.95_PASS

LTE Band 7_5MHz_QPSK_21425_1RB#0_-56.26,-58.01,-37.40_PASS


LTE Band 7_5MHz_16QAM_21425_1RB#0_-57.11,-57.66,-38.40_PASS

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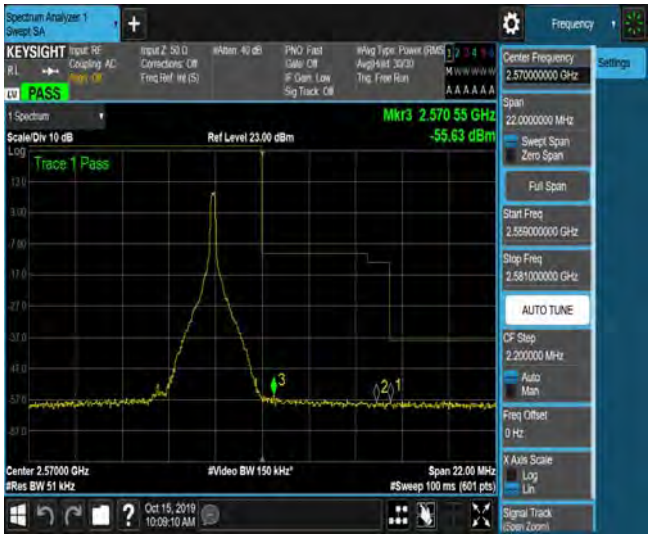
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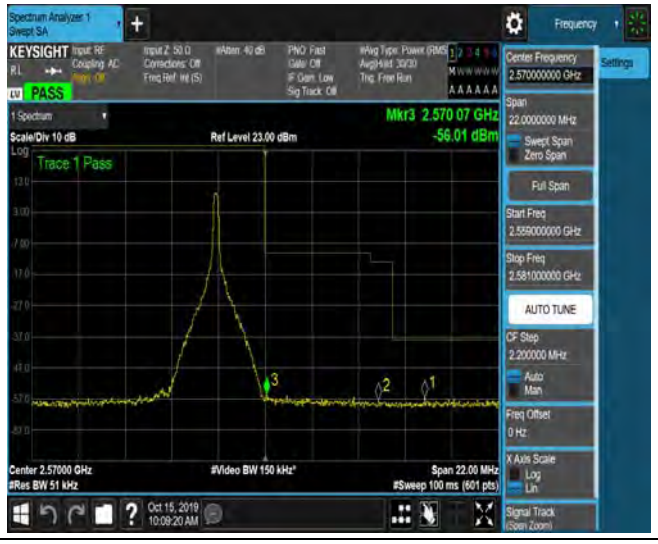

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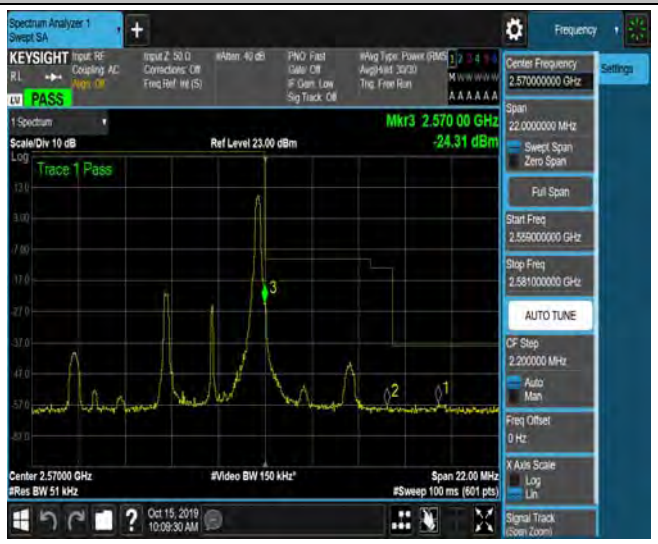
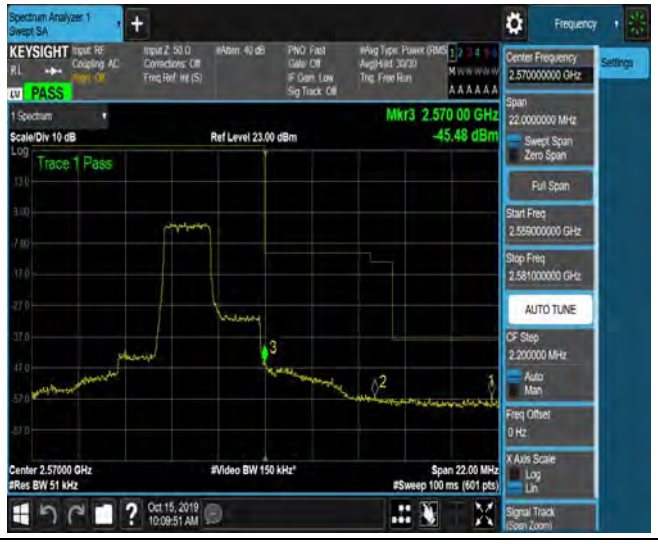
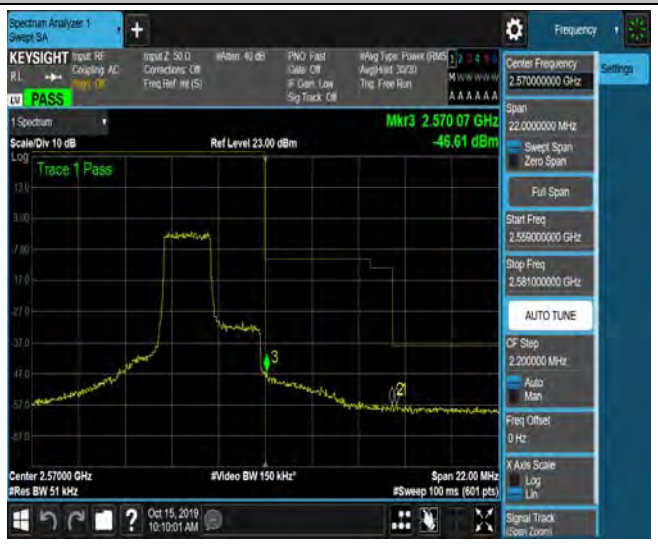

LTE Band 7_5MHz_16QAM_21425_1RB#24_-56.65,-57.78,-26.69_PASS

LTE Band 7_5MHz_QPSK_21425_12RB#0_-56.38,-56.61,-45.48_PASS


LTE Band 7_5MHz_16QAM_21425_12RB#0_-57.13,-57.01,-46.61_PASS

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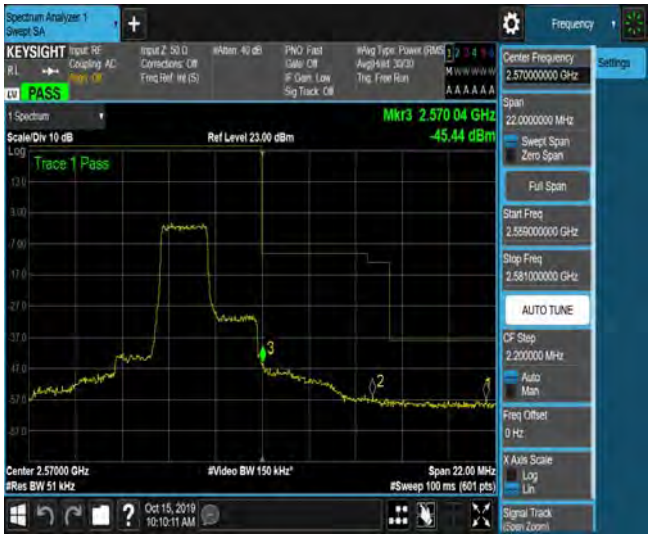
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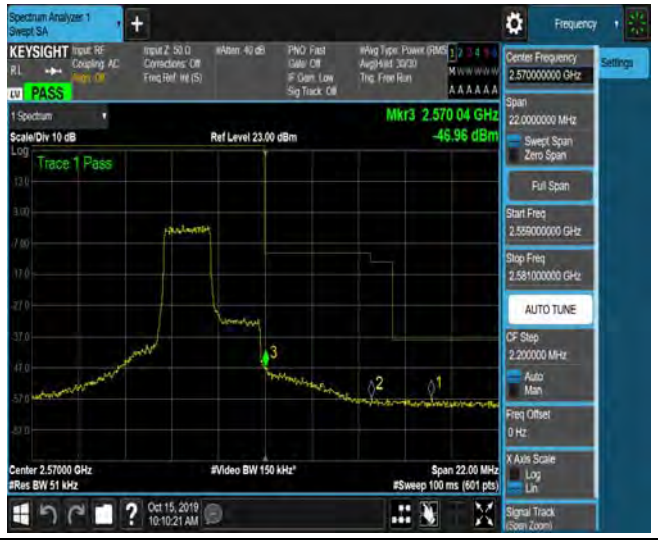
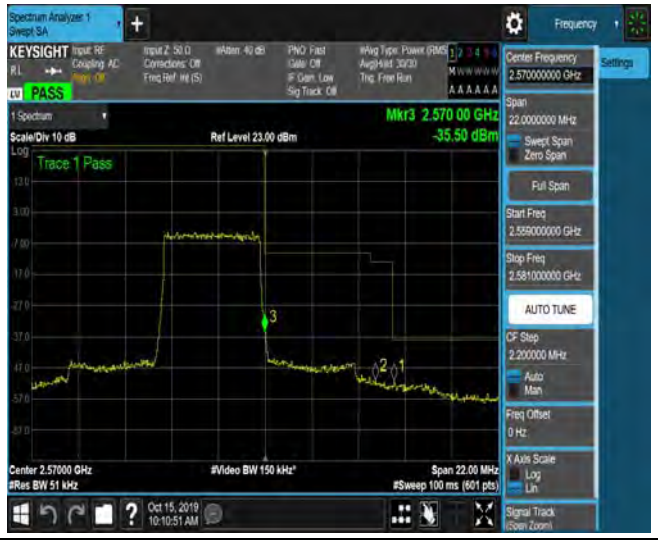
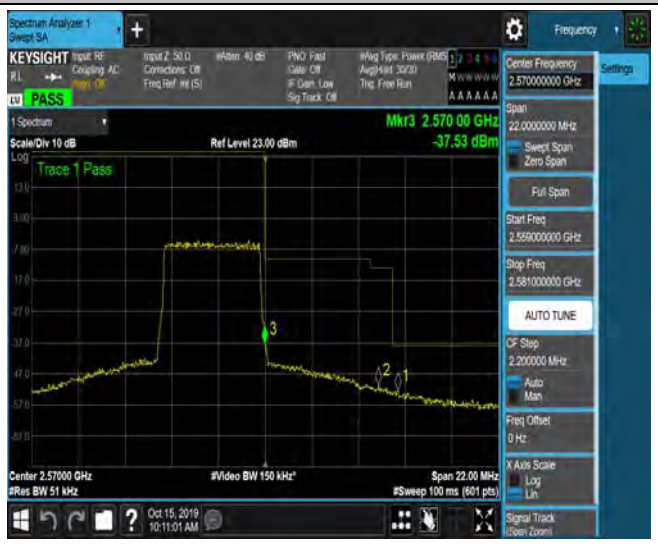
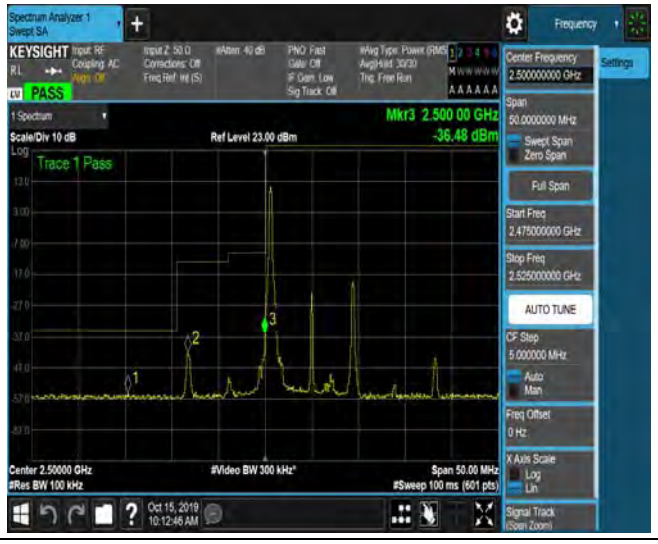


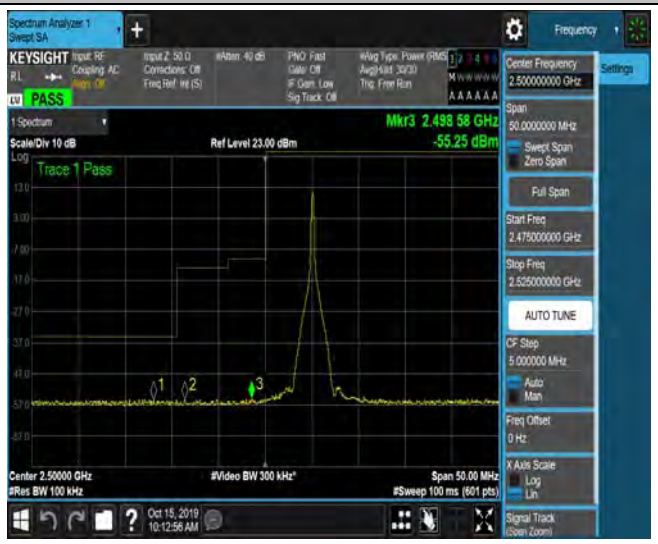
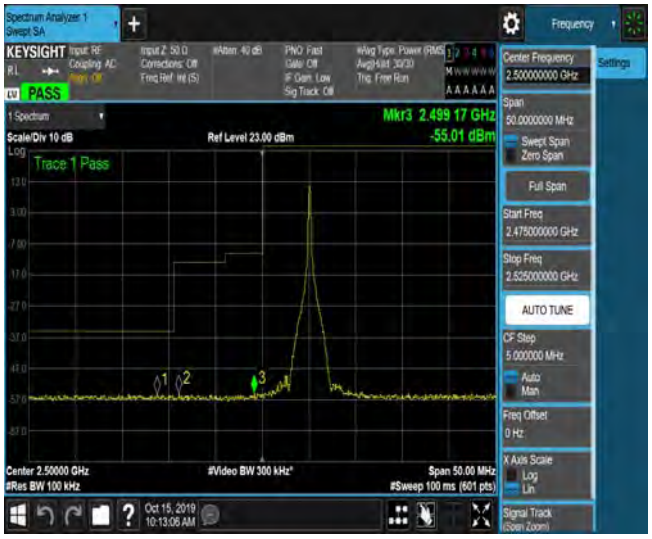
LTE Band 7_5MHz_QPSK_21425_12RB#13_-55.61,-53.86,-34.36_PASS

LTE Band 7_5MHz_16QAM_21425_12RB#13_-56.60,-55.10,-34.12_PASS

LTE Band 7_5MHz_QPSK_21425_25RB#0_-51.43,-51.26,-35.50_PASS


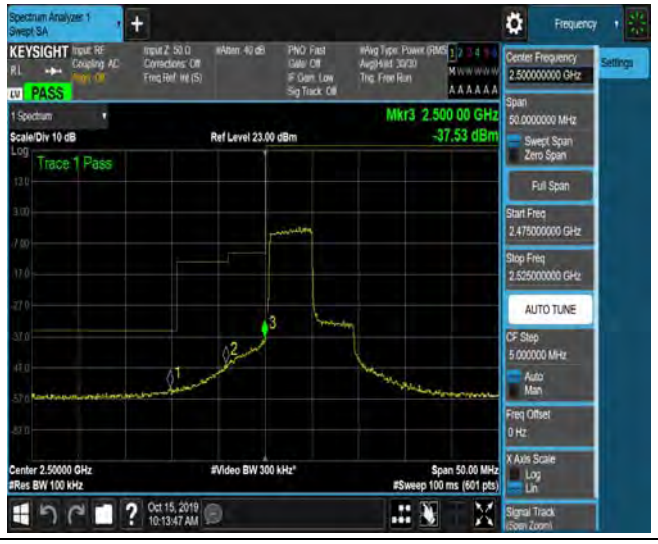
LTE Band 7_5MHz_16QAM_21425_25RB#0_-52.65,-50.82,-37.53_PASS

LTE Band 7_10MHz_QPSK_20800_1RB#0_-55.11,-41.09,-35.63_PASS

LTE Band 7_10MHz_16QAM_20800_1RB#0_-55.38,-42.40,-36.48_PASS


LTE Band 7_10MHz_QPSK_20800_1RB#24_-55.41,-55.45,-55.25_PASS

LTE Band 7_10MHz_16QAM_20800_1RB#24_-55.56,-55.11,-55.01_PASS

LTE Band 7_10MHz_QPSK_20800_1RB#49_-55.18,-43.69,-53.65_PASS


LTE Band 7_10MHz_16QAM_20800_1RB#49_-55.16,-42.90,-52.48_PASS

LTE Band 7_10MHz_QPSK_20800_25RB#0_-53.13,-43.99,-35.77_PASS

LTE Band 7_10MHz_16QAM_20800_25RB#0_-53.73,-46.04,-37.53_PASS


LTE Band 7_10MHz_QPSK_20800_25RB#12_-53.76,-44.24,-35.93_PASS

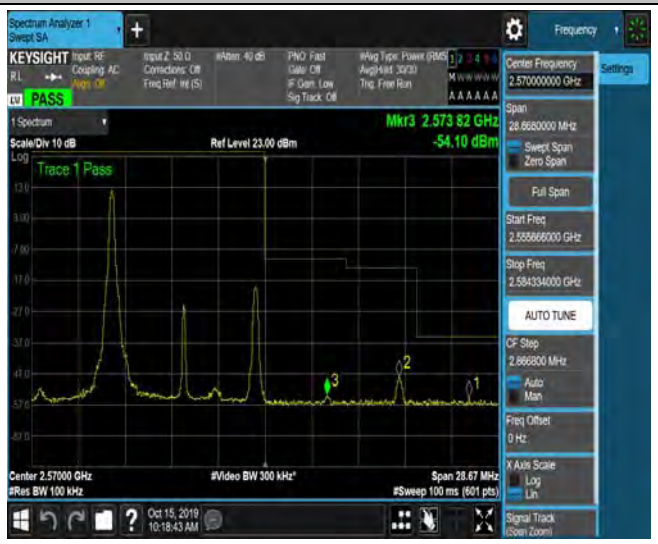
LTE Band 7_10MHz_16QAM_20800_25RB#12_-53.99,-46.29,-37.82_PASS

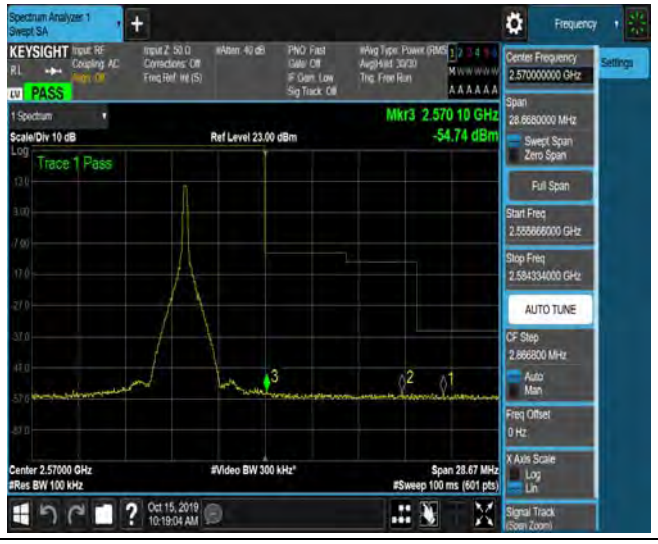
LTE Band 7_10MHz_QPSK_20800_25RB#25_-54.80,-51.45,-43.17_PASS

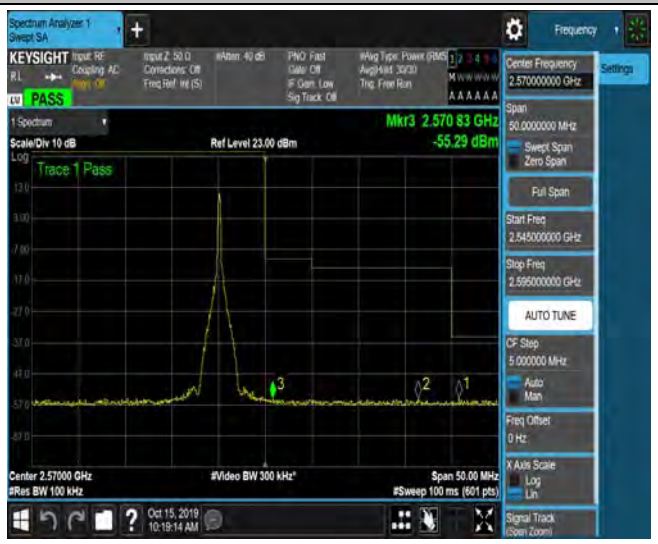
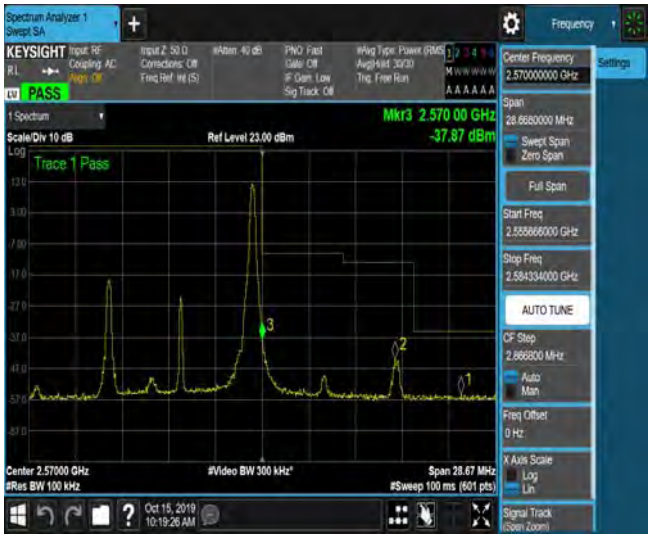

LTE Band 7_10MHz_16QAM_20800_25RB#25_-55.26,-52.69,-45.42_PASS

LTE Band 7_10MHz_QPSK_20800_50RB#0_-50.70,-45.31,-38.74_PASS

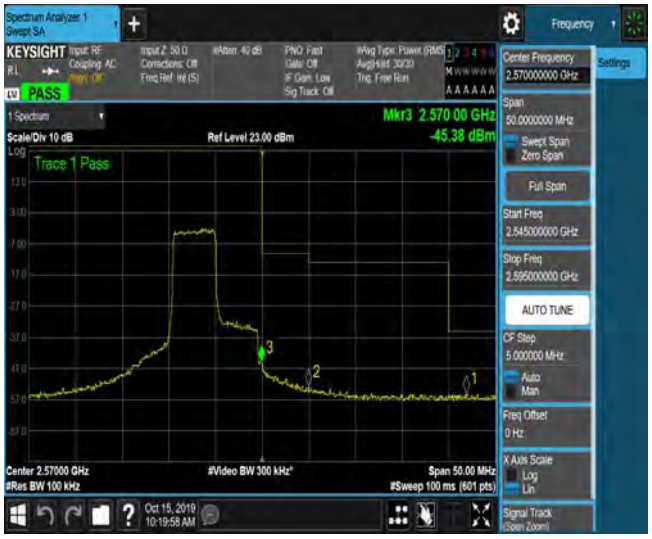
LTE Band 7_10MHz_16QAM_20800_50RB#0_-50.65,-45.12,-38.65_PASS

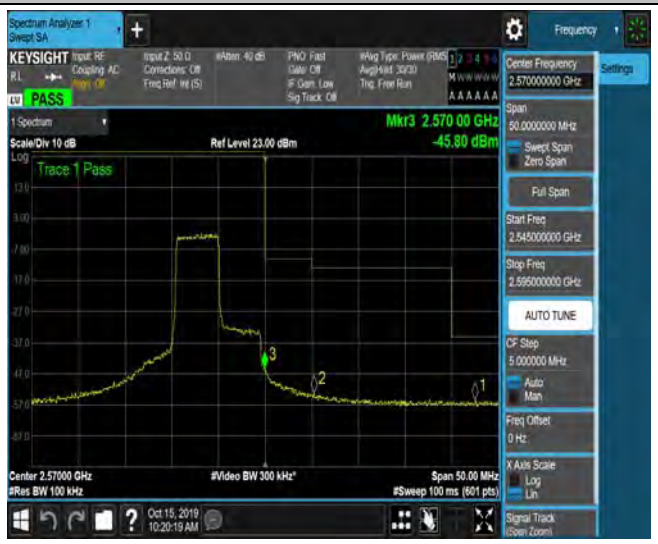

LTE Band 7_10MHz_QPSK_21400_1RB#0_-55.16,-48.33,-54.10_PASS

LTE Band 7_10MHz_16QAM_21400_1RB#0_-55.63,-49.81,-54.48_PASS

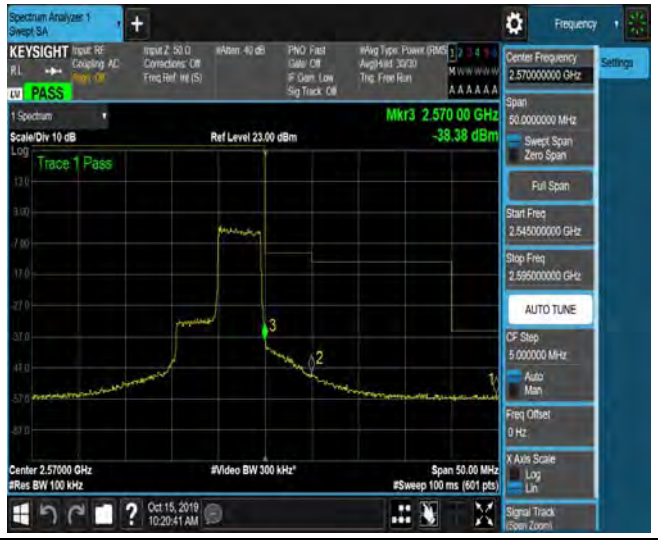
LTE Band 7_10MHz_QPSK_21400_1RB#24_-55.47,-55.13,-54.74_PASS


LTE Band 7_10MHz_16QAM_21400_1RB#24_-55.12,-55.35,-55.29_PASS

LTE Band 7_10MHz_QPSK_21400_1RB#49_-55.48,-44.28,-37.87_PASS

LTE Band 7_10MHz_16QAM_21400_1RB#49_-55.84,-44.55,-38.10_PASS


LTE Band 7_10MHz_QPSK_21400_25RB#0_-54.92,-53.01,-44.76_PASS

LTE Band 7_10MHz_16QAM_21400_25RB#0_-55.19,-53.09,-45.38_PASS

LTE Band 7_10MHz_QPSK_21400_25RB#12_-54.69,-53.06,-44.67_PASS


LTE Band 7_10MHz_16QAM_21400_25RB#12_-55.80,-53.55,-45.80_PASS

LTE Band 7_10MHz_QPSK_21400_25RB#25_-53.41,-49.23,-38.43_PASS

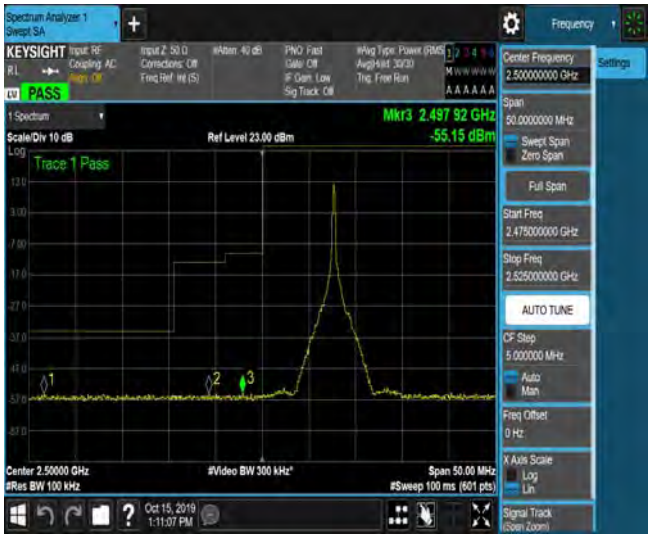
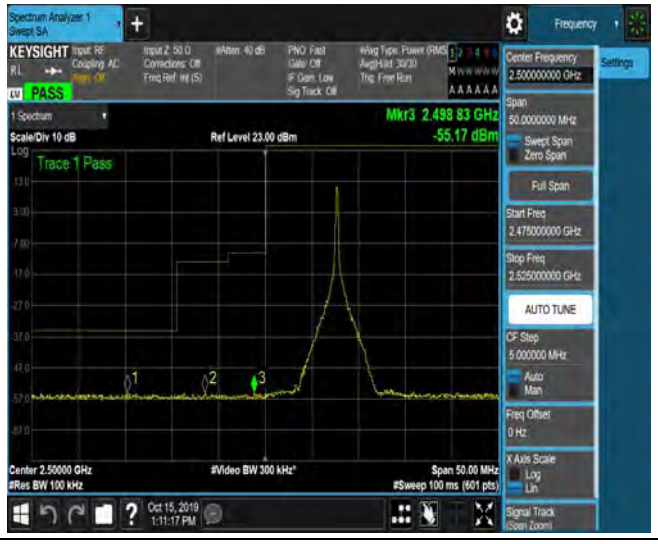
LTE Band 7_10MHz_16QAM_21400_25RB#25_-55.68,-48.86,-38.38_PASS


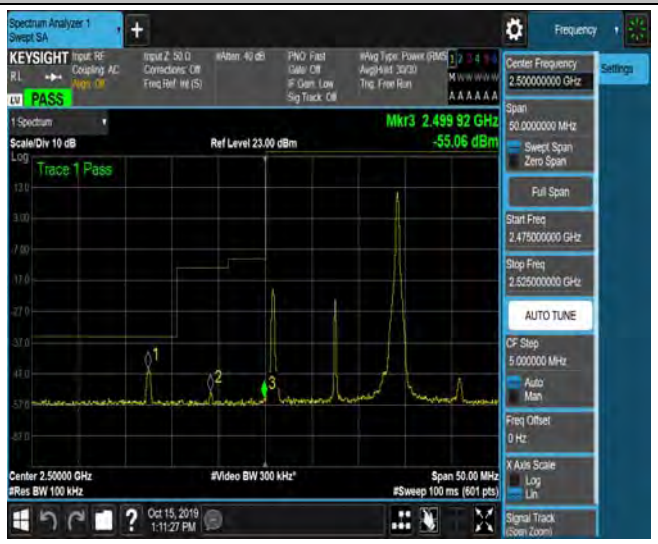
LTE Band 7_10MHz_QPSK_21400_50RB#0_-51.58,-46.01,-40.09_PASS

LTE Band 7_10MHz_16QAM_21400_50RB#0_-55.47,-45.90,-38.69_PASS

LTE Band 7_15MHz_QPSK_20825_1RB#0_-43.50,-52.09,-36.04_PASS


LTE Band 7_15MHz_16QAM_20825_1RB#0_-44.57,-52.38,-37.26_PASS

LTE Band 7_15MHz_QPSK_20825_1RB#38_-55.45,-55.20,-55.15_PASS

LTE Band 7_15MHz_16QAM_20825_1RB#38_-55.28,-55.29,-55.17_PASS


LTE Band 7_15MHz_QPSK_20825_1RB#74_-45.77,-53.12,-55.06_PASS

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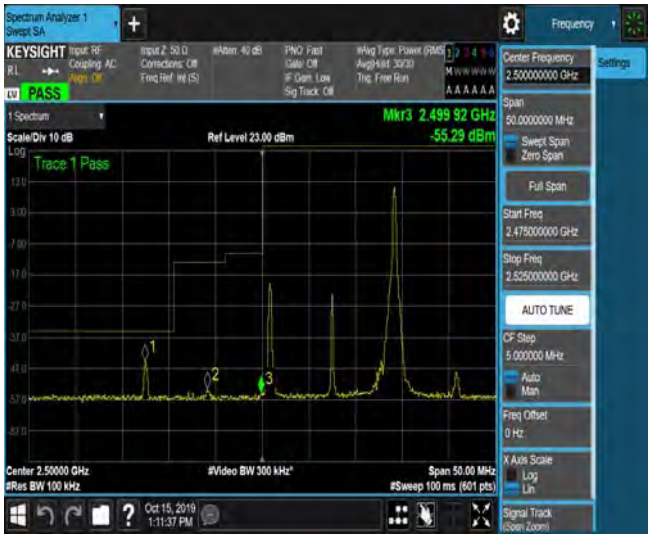
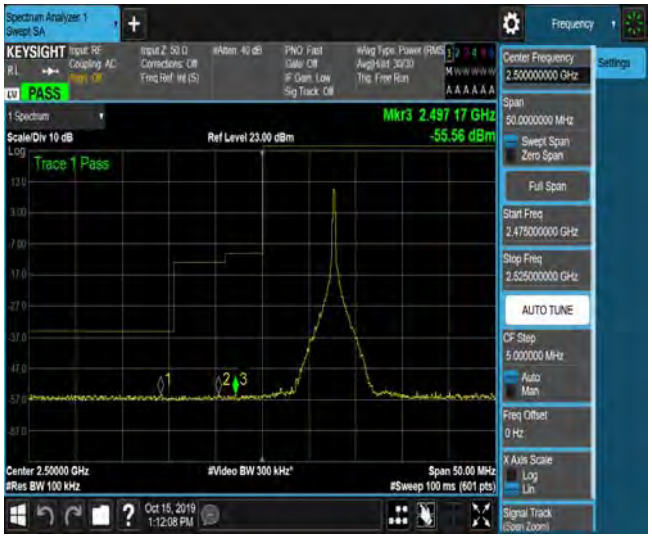
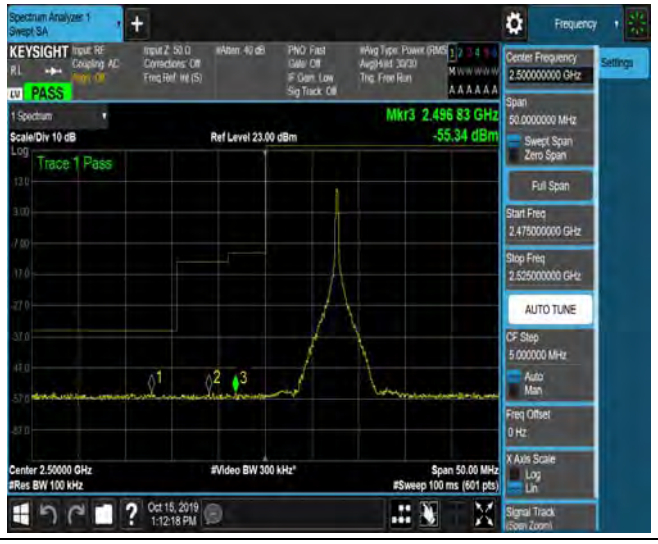
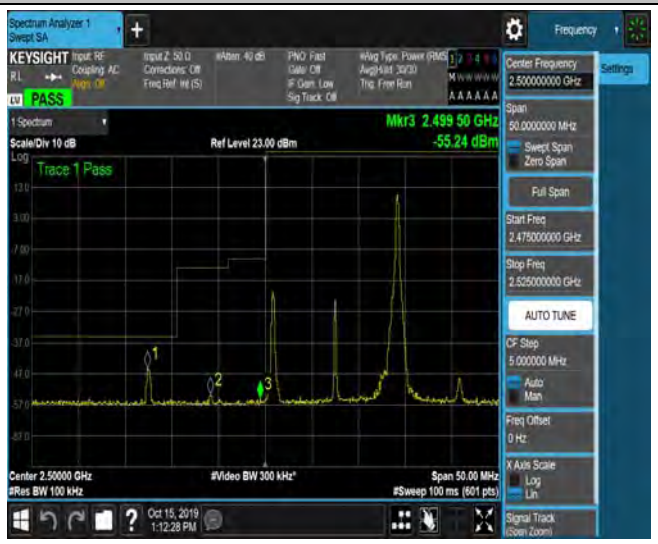
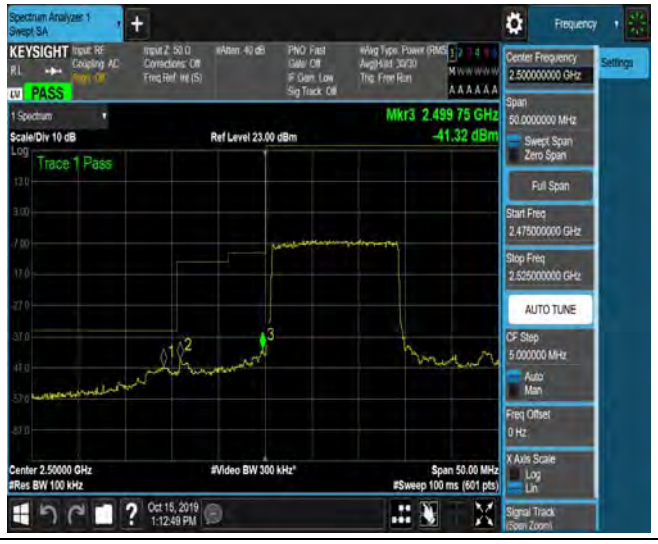

LTE Band 7_15MHz_QPSK_20825_38RB#0_-45.11,-52.46,-37.07_PASS


LTE Band 7_15MHz_16QAM_20825_38RB#0_-44.36,-51.42,-36.43_PASS

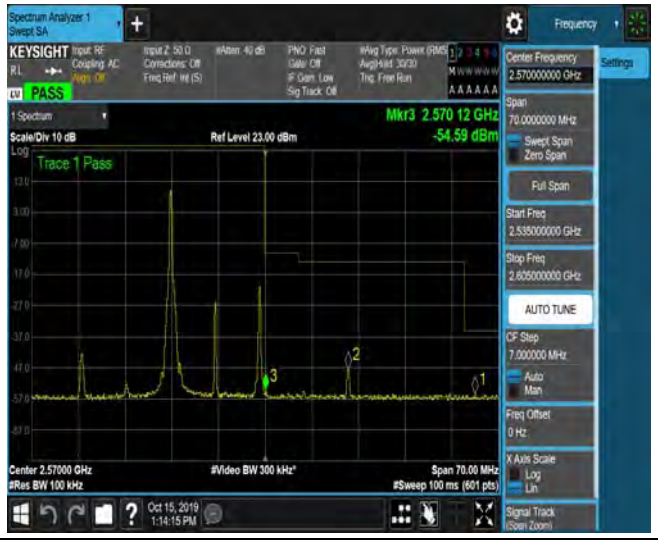
LTE Band 7_15MHz_QPSK_20825_38RB#18_-55.42,-55.40,-55.56_PASS

LTE Band 7_15MHz_16QAM_20825_38RB#18_-55.01,-55.07,-55.34_PASS


LTE Band 7_15MHz_QPSK_20825_38RB#37_-45.46,-53.88,-55.24_PASS

LTE Band 7_15MHz_16QAM_20825_38RB#37_-45.20,-53.37,-55.09_PASS

LTE Band 7_15MHz_QPSK_20825_75RB#0_-46.86,-44.55,-41.32_PASS


LTE Band 7_15MHz_16QAM_20825_75RB#0_-46.91,-45.19,-42.19_PASS

LTE Band 7_15MHz_QPSK_21375_1RB#0_-53.04,-46.01,-42.49_PASS

LTE Band 7_15MHz_16QAM_21375_1RB#0_-55.62,-47.67,-54.59_PASS


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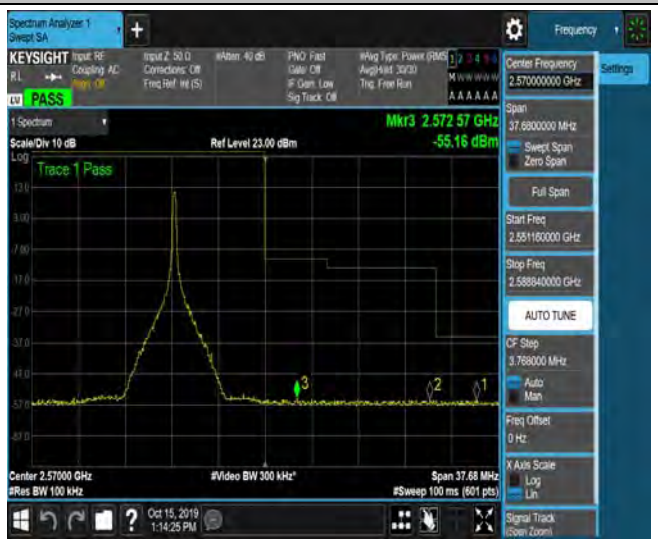
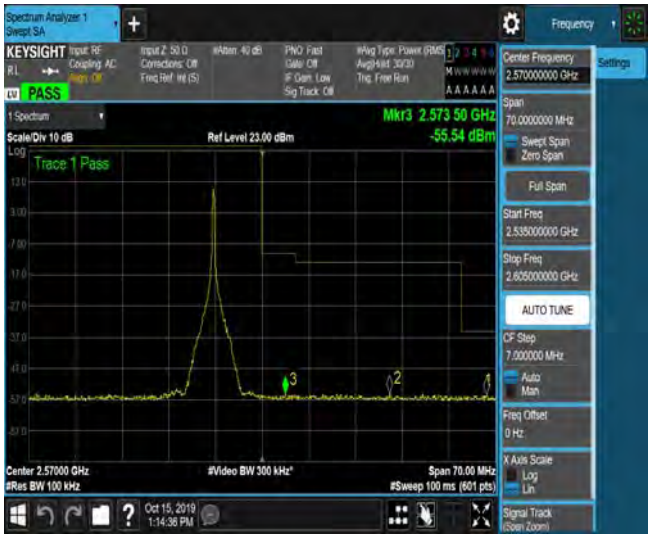
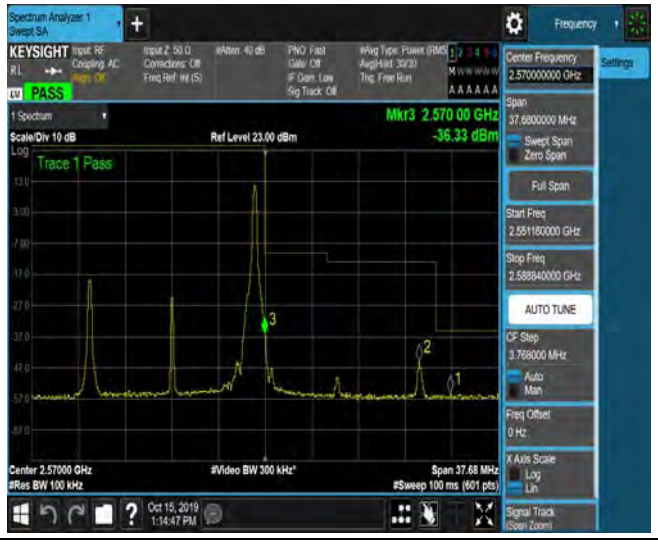
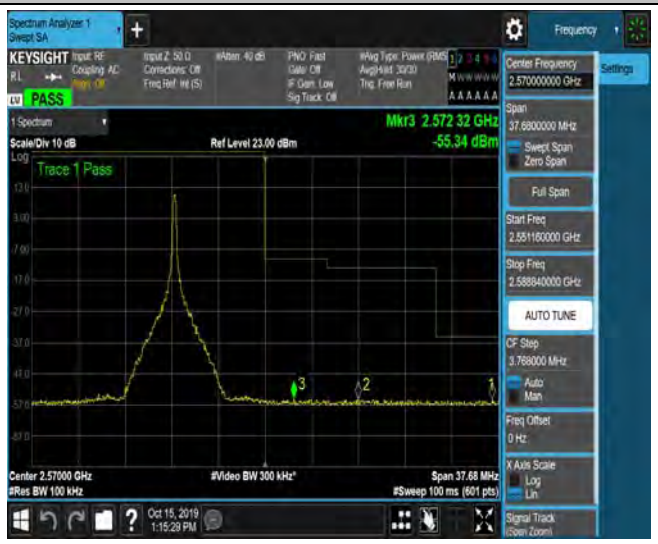
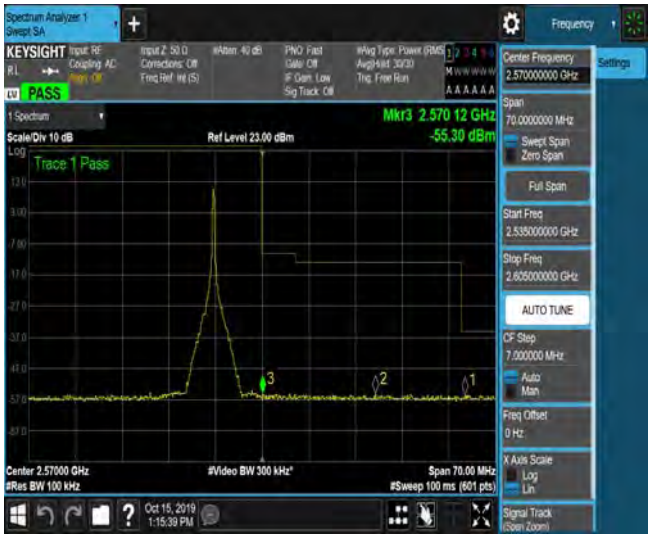

LTE Band 7_15MHz_16QAM_21375_1RB#38_-55.75,-55.03,-55.54_PASS

LTE Band 7_15MHz_QPSK_21375_1RB#74_-55.41,-45.31,-36.33_PASS


LTE Band 7_15MHz_16QAM_21375_1RB#74_-55.54,-47.48,-38.88_PASS

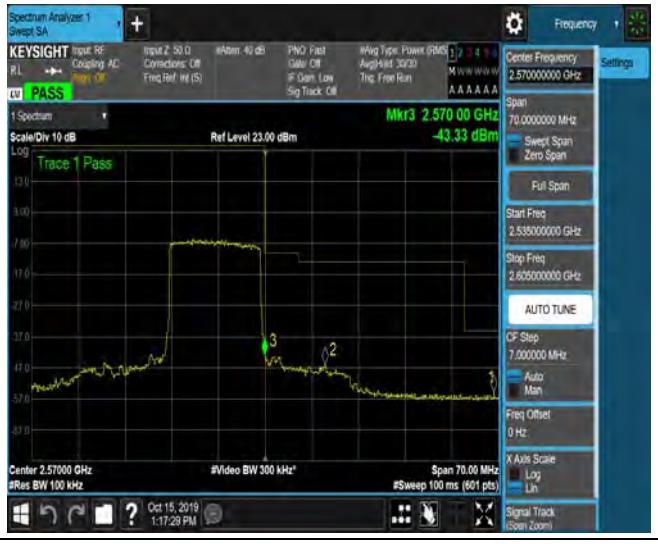
LTE Band 7_15MHz_QPSK_21375_38RB#0_-55.00,-48.31,-55.21_PASS

LTE Band 7_15MHz_16QAM_21375_38RB#0_-55.59,-49.92,-54.57_PASS


LTE Band 7_15MHz_QPSK_21375_38RB#18_-55.41,-55.39,-55.34_PASS

LTE Band 7_15MHz_16QAM_21375_38RB#18_-55.68,-55.35,-55.30_PASS

LTE Band 7_15MHz_QPSK_21375_38RB#37_-55.43,-45.64,-38.64_PASS

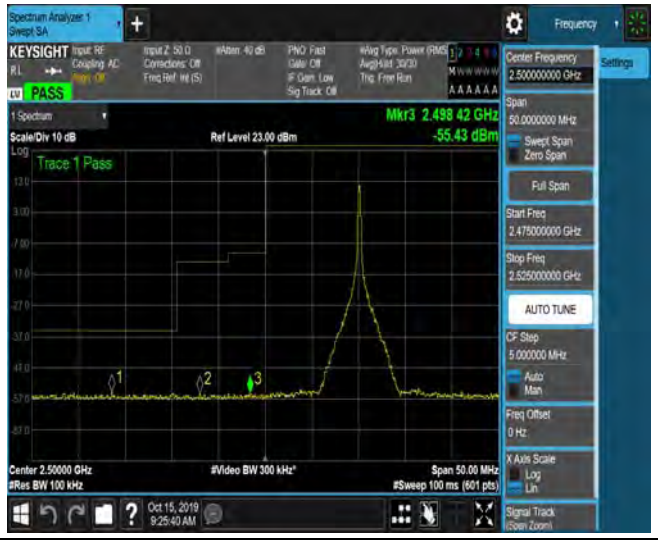

LTE Band 7_15MHz_16QAM_21375_38RB#37_-55.26,-47.60,-38.91_PASS

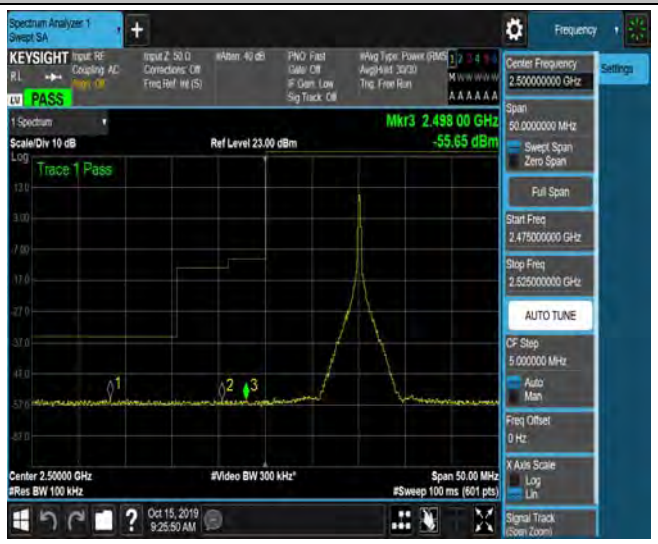
LTE Band 7_15MHz_QPSK_21375_75RB#0_-53.86,-46.62,-43.51_PASS

LTE Band 7_15MHz_16QAM_21375_75RB#0_-55.02,-46.08,-43.33_PASS


LTE Band 7_20MHz_QPSK_20850_1RB#0_-43.64,-49.09,-43.04_PASS

LTE Band 7_20MHz_16QAM_20850_1RB#0_-45.75,-50.84,-41.70_PASS

LTE Band 7_20MHz_QPSK_20850_1RB#49_-54.96,-55.56,-55.43_PASS


LTE Band 7_20MHz_16QAM_20850_1RB#49_-55.14,-55.74,-55.65_PASS

LTE Band 7_20MHz_QPSK_20850_1RB#99_-49.94,-53.20,-55.38_PASS

LTE Band 7_20MHz_16QAM_20850_1RB#99_-51.31,-53.49,-55.55_PASS


LTE Band 7_20MHz_QPSK_20850_50RB#0_-51.39,-45.54,-42.71_PASS

LTE Band 7_20MHz_16QAM_20850_50RB#0_-50.88,-45.07,-43.11_PASS

LTE Band 7_20MHz_QPSK_20850_50RB#25_-51.23,-45.29,-43.17_PASS

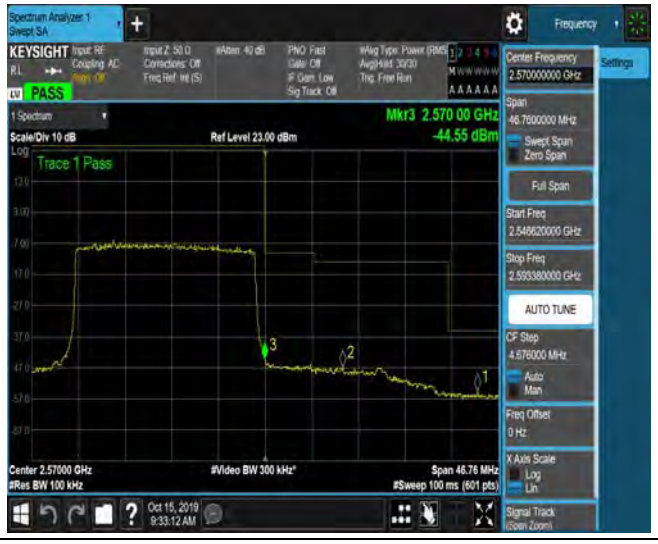

LTE Band 7_20MHz_16QAM_20850_50RB#25_-50.90,-44.65,-42.85_PASS

LTE Band 7_20MHz_QPSK_20850_50RB#50_-54.53,-51.72,-48.10_PASS

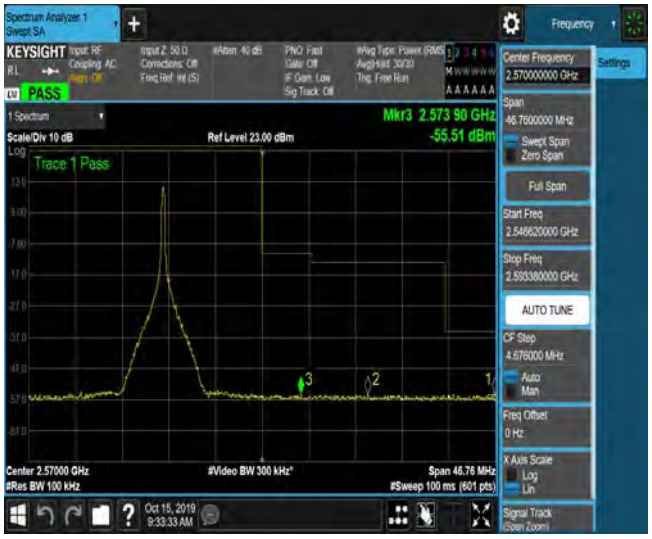
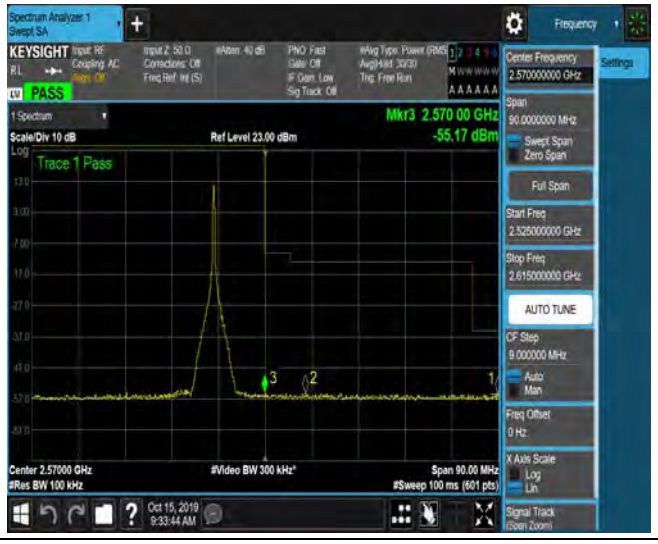
LTE Band 7_20MHz_16QAM_20850_50RB#50_-54.44,-51.64,-48.45_PASS

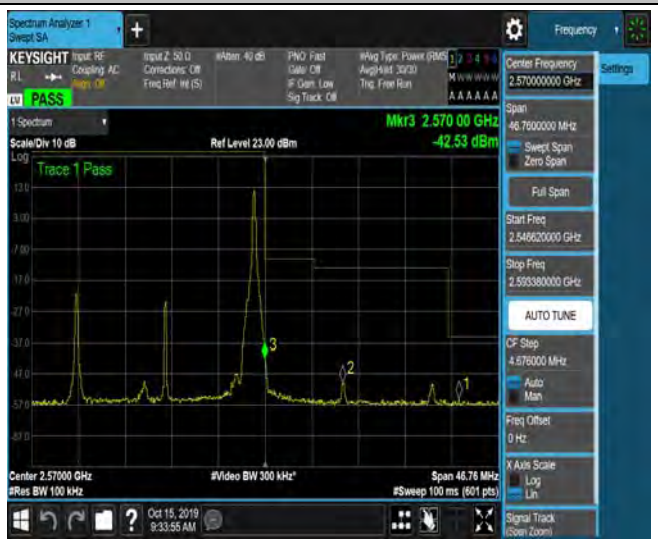

LTE Band 7_20MHz_QPSK_20850_100RB#0_-48.57,-48.29,-45.21_PASS

LTE Band 7_20MHz_16QAM_20850_100RB#0_-48.39,-47.97,-45.60_PASS

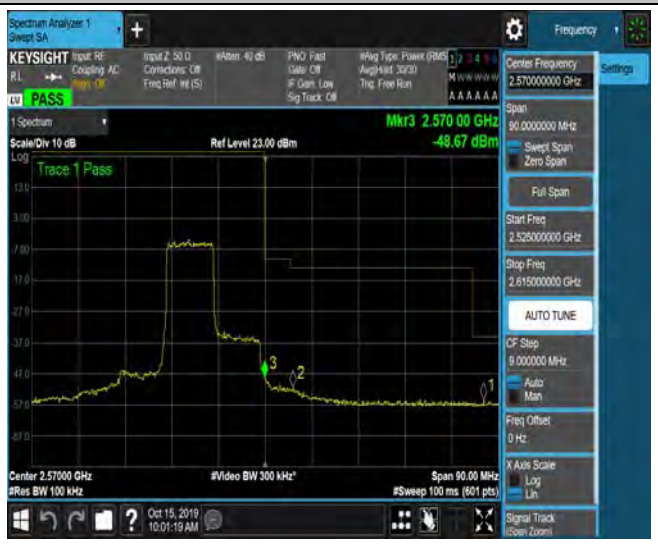
LTE Band 7_20MHz_QPSK_21350_1RB#0_-54.83,-47.05,-44.55_PASS


LTE Band 7_20MHz_16QAM_21350_1RB#0_-55.78,-50.19,-55.64_PASS

LTE Band 7_20MHz_QPSK_21350_1RB#49_-55.41,-55.55,-55.51_PASS

LTE Band 7_20MHz_16QAM_21350_1RB#49_-55.58,-55.16,-55.17_PASS


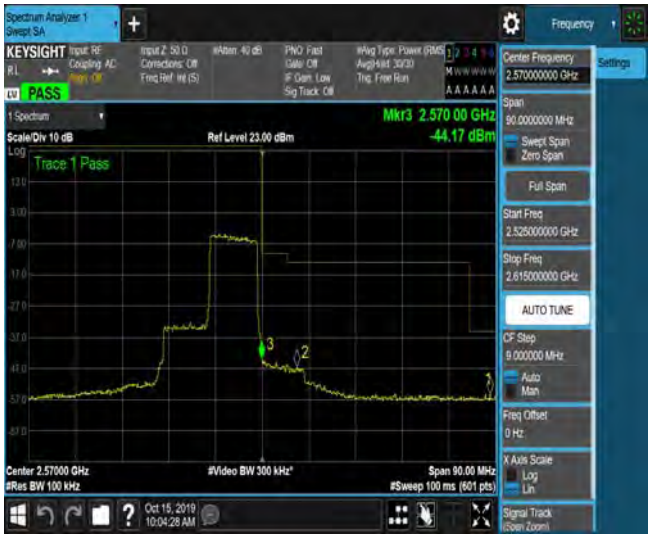
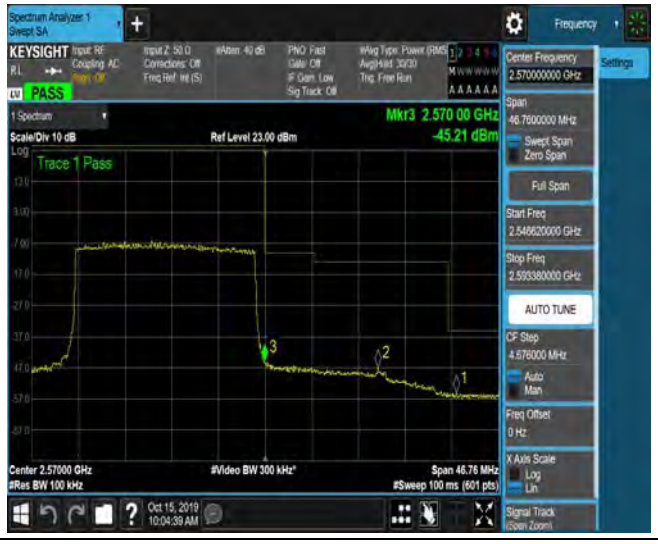
LTE Band 7_20MHz_QPSK_21350_1RB#99_-55.37,-50.17,-42.53_PASS

LTE Band 7_20MHz_16QAM_21350_1RB#99_-55.80,-50.34,-41.70_PASS

LTE Band 7_20MHz_QPSK_21350_50RB#0_-55.61,-52.09,-47.68_PASS


LTE Band 7_20MHz_16QAM_21350_50RB#0_-55.62,-51.78,-48.67_PASS

LTE Band 7_20MHz_QPSK_21350_50RB#25_-55.50,-52.21,-47.78_PASS

LTE Band 7_20MHz_16QAM_21350_50RB#25_-56.24,-51.81,-47.96_PASS


LTE Band 7_20MHz_QPSK_21350_50RB#50_-55.10,-46.53,-43.50_PASS

LTE Band 7_20MHz_16QAM_21350_50RB#50_-55.46,-46.78,-44.17_PASS

LTE Band 7_20MHz_QPSK_21350_100RB#0_-55.31,-47.03,-45.21_PASS


LTE Band 7_20MHz_16QAM_21350_100RB#0_-56.10,-47.11,-44.35_PASS


5.5 Peak-to-Average Power Ratio (PAPR)

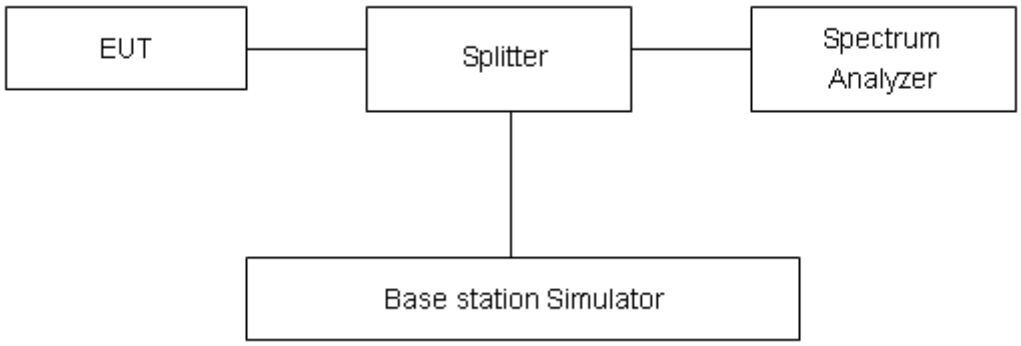
Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Methods of Measurement

Measure the total peak power and record as PPk. And measure the total average power and record as PAvg. Both the peak and average power levels must be expressed in the same logarithmic units (*e.g.*, dBm). Determine the PAPR from:
PAPR (dB) = PPk (dBm) - PAvg (dBm).

Test Setup



Limits

Rule Part 27.50(d)(5) Equipment employed must be authorized in accordance with the provisions of 24.51. Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (d)(6) of this section. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for thenormal distribution is with the coverage factor k = 2, U= 0.4 dB.

Test Results

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
WCDMA Band IV	1312	3.14	13	PASS
WCDMA Band IV	1413	3.08	13	PASS
WCDMA Band IV	1513	3.13	13	PASS

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
LTE Band 4	1.4MHz	QPSK	19957	6RB#0	5.23	13	PASS
LTE Band 4	1.4MHz	16QAM	19957	6RB#0	5.18	13	PASS
LTE Band 4	1.4MHz	QPSK	20175	6RB#0	5.01	13	PASS
LTE Band 4	1.4MHz	16QAM	20175	6RB#0	5.95	13	PASS
LTE Band 4	1.4MHz	QPSK	20393	6RB#0	5.09	13	PASS
LTE Band 4	1.4MHz	16QAM	20393	6RB#0	5.14	13	PASS
LTE Band 4	3MHz	QPSK	19965	15RB#0	5.24	13	PASS
LTE Band 4	3MHz	16QAM	19965	15RB#0	5.23	13	PASS
LTE Band 4	3MHz	QPSK	20175	15RB#0	5.01	13	PASS
LTE Band 4	3MHz	16QAM	20175	15RB#0	4.97	13	PASS
LTE Band 4	3MHz	QPSK	20385	15RB#0	5.14	13	PASS
LTE Band 4	3MHz	16QAM	20385	15RB#0	5.18	13	PASS
LTE Band 4	5MHz	QPSK	19975	25RB#0	5.29	13	PASS
LTE Band 4	5MHz	16QAM	19975	25RB#0	5.28	13	PASS
LTE Band 4	5MHz	QPSK	20175	25RB#0	5.04	13	PASS
LTE Band 4	5MHz	16QAM	20175	25RB#0	5.09	13	PASS
LTE Band 4	5MHz	QPSK	20375	25RB#0	5.13	13	PASS
LTE Band 4	5MHz	16QAM	20375	25RB#0	5.13	13	PASS
LTE Band 4	10MHz	QPSK	20000	50RB#0	5.21	13	PASS
LTE Band 4	10MHz	16QAM	20000	50RB#0	5.18	13	PASS
LTE Band 4	10MHz	QPSK	20175	50RB#0	5.11	13	PASS
LTE Band 4	10MHz	16QAM	20175	50RB#0	5.09	13	PASS
LTE Band 4	10MHz	QPSK	20350	50RB#0	5.12	13	PASS
LTE Band 4	10MHz	16QAM	20350	50RB#0	5.13	13	PASS
LTE Band 4	15MHz	QPSK	20025	75RB#0	4.97	13	PASS
LTE Band 4	15MHz	16QAM	20025	75RB#0	4.99	13	PASS
LTE Band 4	15MHz	QPSK	20175	75RB#0	4.92	13	PASS
LTE Band 4	15MHz	16QAM	20175	75RB#0	4.94	13	PASS
LTE Band 4	15MHz	QPSK	20325	75RB#0	4.91	13	PASS
LTE Band 4	15MHz	16QAM	20325	75RB#0	4.92	13	PASS
LTE Band 4	20MHz	QPSK	20050	100RB#0	5.25	13	PASS
LTE Band 4	20MHz	16QAM	20050	100RB#0	5.25	13	PASS
LTE Band 4	20MHz	QPSK	20175	100RB#0	5.32	13	PASS
LTE Band 4	20MHz	16QAM	20175	100RB#0	5.31	13	PASS

LTE Band 4	20MHz	QPSK	20300	100RB#0	5.29	13	PASS
LTE Band 4	20MHz	16QAM	20300	100RB#0	5.28	13	PASS

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
LTE Band 7	5MHz	QPSK	20775	25RB#0	5.14	13	PASS
LTE Band 7	5MHz	16QAM	20775	25RB#0	5.04	13	PASS
LTE Band 7	5MHz	QPSK	21100	25RB#0	5.20	13	PASS
LTE Band 7	5MHz	16QAM	21100	25RB#0	5.19	13	PASS
LTE Band 7	5MHz	QPSK	21425	25RB#0	5.22	13	PASS
LTE Band 7	5MHz	16QAM	21425	25RB#0	5.13	13	PASS
LTE Band 7	10MHz	QPSK	20800	50RB#0	5.04	13	PASS
LTE Band 7	10MHz	16QAM	20800	50RB#0	5.05	13	PASS
LTE Band 7	10MHz	QPSK	21100	50RB#0	5.13	13	PASS
LTE Band 7	10MHz	16QAM	21100	50RB#0	5.16	13	PASS
LTE Band 7	10MHz	QPSK	21400	50RB#0	5.20	13	PASS
LTE Band 7	10MHz	16QAM	21400	50RB#0	5.16	13	PASS
LTE Band 7	15MHz	QPSK	20825	75RB#0	4.96	13	PASS
LTE Band 7	15MHz	16QAM	20825	75RB#0	4.97	13	PASS
LTE Band 7	15MHz	QPSK	21100	75RB#0	5.02	13	PASS
LTE Band 7	15MHz	16QAM	21100	75RB#0	5.00	13	PASS
LTE Band 7	15MHz	QPSK	21375	75RB#0	5.00	13	PASS
LTE Band 7	15MHz	16QAM	21375	75RB#0	5.02	13	PASS
LTE Band 7	20MHz	QPSK	20850	100RB#0	5.29	13	PASS
LTE Band 7	20MHz	16QAM	20850	100RB#0	5.30	13	PASS
LTE Band 7	20MHz	QPSK	21100	100RB#0	5.33	13	PASS
LTE Band 7	20MHz	16QAM	21100	100RB#0	5.32	13	PASS
LTE Band 7	20MHz	QPSK	21350	100RB#0	5.33	13	PASS
LTE Band 7	20MHz	16QAM	21350	100RB#0	5.34	13	PASS

5.6 Frequency Stability

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

Frequency Stability (Temperature Variation)

The temperature inside the climate chamber is varied from -40°C to +85°C in 10°C step size.

(1)With all power removed, the temperature was decreased to -10°C and permitted to stabilize for three hours.

(2)Measure the carrier frequency with the test equipment in a “call mode”. These measurements should be made within 1 minute of powering up the mobile station, to prevent significant self warming.

(3) Repeat the above measurements at 10°C increments from -40°C to +85°C. Allow at least 1.5 hours at each temperature, un-powered, before making measurements.

Frequency Stability (Voltage Variation)

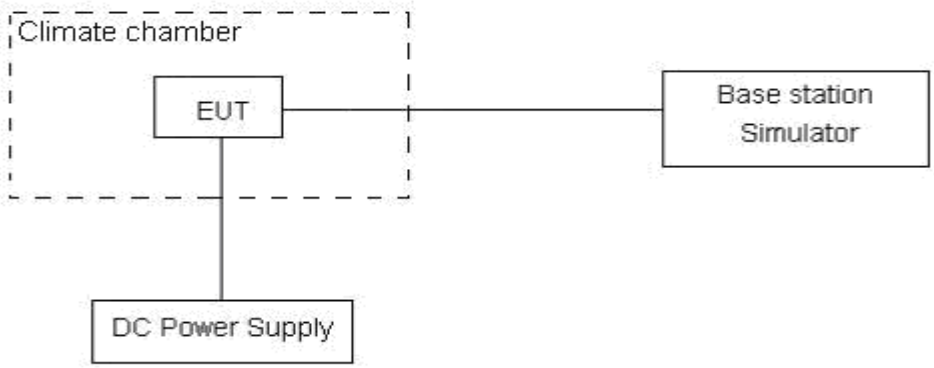
The frequency stability shall be measured with variation of primary supply voltage as follows:

(1) Vary primary supply voltage from 85 to 115 percent of the nominal value for other than hand carried battery equipment.

(2) For hand carried, battery powered equipment, reduce primary supply voltage to the battery-operating end point which shall be specified by the manufacturer.

This transceiver is specified to operate with an input voltage of between 3.3 V and 4.3 V, with a nominal voltage of 3.8V.

Test setup



Limits

The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

Measurement Uncertainty

The assessed measurement uncertainty to ensure 99.75％ confidence level for the normal distribution is with the coverage factor k = 3,U=0.01ppm.